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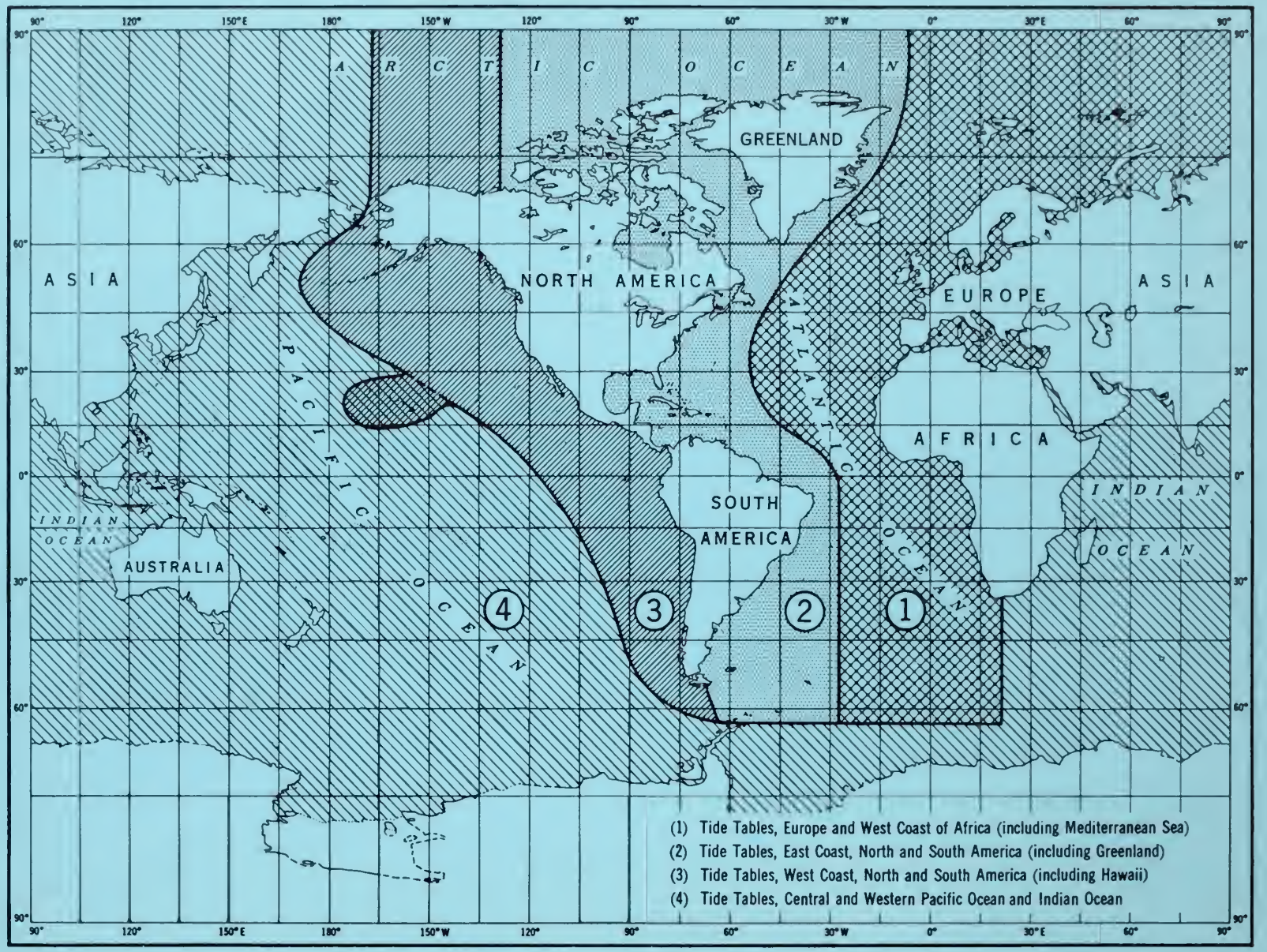
Supplemental Tidal Predictions Anchorage, Nikishka, Seldovia, and Valdez, Alaska, 1981

Rockville, Md.
July 1980

U. S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Survey

INDEX OF TIDE TABLE COVERAGE



Supplemental Tidal Predictions Anchorage, Nikishka, Seldovia, and Valdez, Alaska, 1981

Office of Oceanography, Marine Environmental Services Division, Marine Predictions Branch

Rockville, Md.
July 1980

U. S. DEPARTMENT OF COMMERCE
Philip M. Klutznick, Secretary

National Oceanic and Atmospheric Administration
Richard A. Frank, Administrator

National Ocean Survey
Herbert R. Lippold, Jr., Director

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The need for predicted tidal data has always existed. With the rapid expansion of today's marine activities, the need for more detailed data has grown tremendously. This is demonstrated particularly in the area of Cook Inlet, Alaska, where the rapid growth of the State's economy has placed ever-increasing demands and responsibilities upon various marine interests.

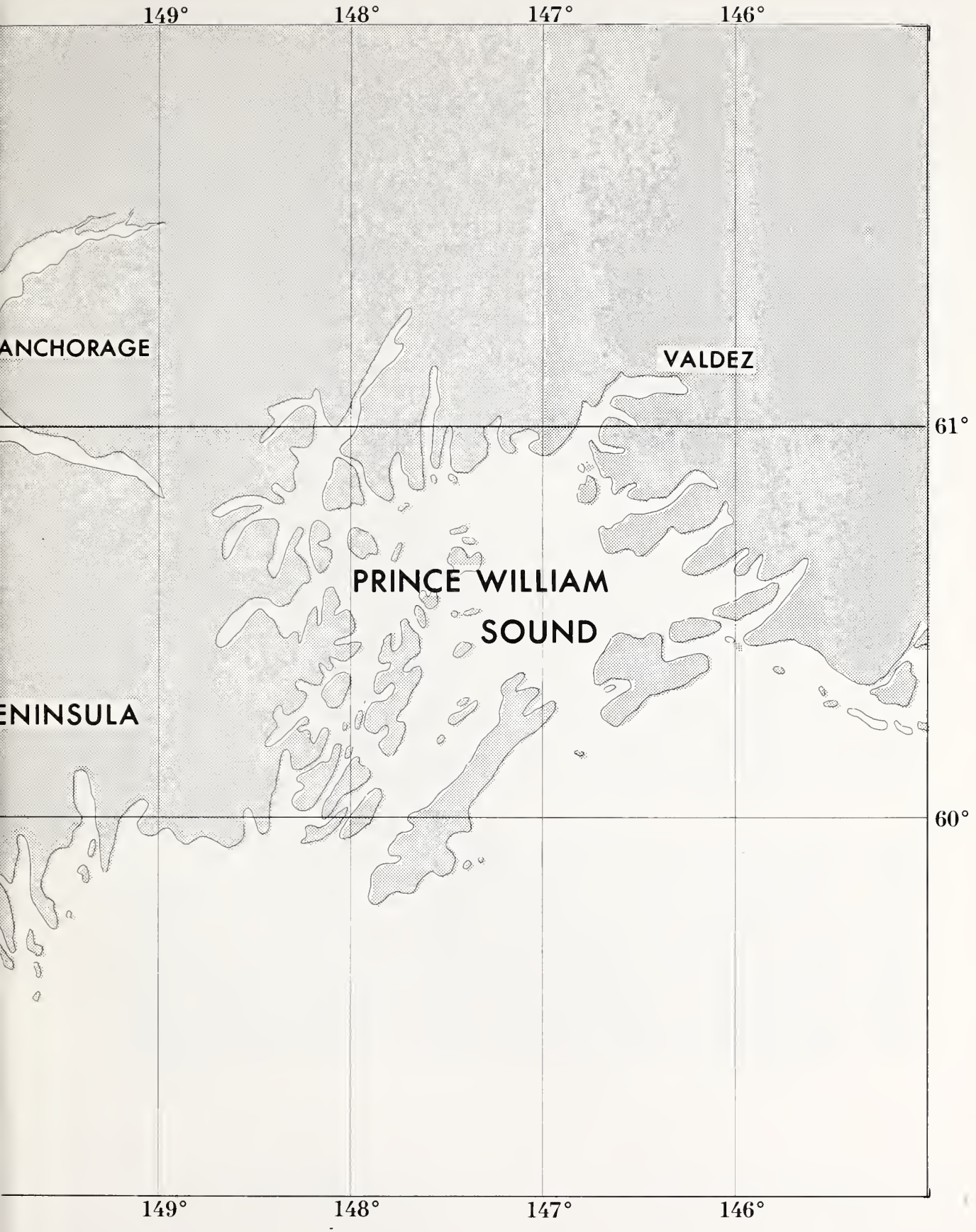
Although emphasis is usually given to the predicted times and heights of high and low waters, the intermediate water levels can be equally important. In many instances, ships must attempt to dock during the times of high tide, load or unload, and depart before low tide to avoid the possibility of grounding. Since tankers have increased greatly in size, they are drawing more water and are risking less clearance under their hulls. It is apparent that the need for supplemental data is very real.

To meet those needs, these pages provide not only the predicted times and heights of high and low waters, but also the predicted hourly heights for the complete year. We hope these data will enable pilots to plan docking activities to take advantage of water depths not indicated by the listing of high and low waters only.

The predicted times and heights of high and low waters are given for each day of the year. High and low waters can be selected from the predictions by comparison of consecutive heights. All times are standard and in the 24-hour or military system. All heights are listed in feet and meters and are reckoned from mean lower low water.

Each day of predicted hourly heights occupies two lines, beginning at midnight (0 hours) and ending at 11 p.m. (23 hours). The data are, of course, referred to the same time meridian and chart datum as the high and low waters.

154°
153°
152°
151°
61°
60°
NIKISHKA
KEN
COOK INLET
SELDOVIA
154°
153°
152°
151°


149°
148°
147°
146°
ANCHORAGE
VALDEZ
61°
PRINCE WILLIAM
SOUND
ENINSULA
60°
149°
148°
147°
146°

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http://archive.org/details/supplementaltida1981nati

For the most part, tide predictions for U.S. reference stations are based upon analyses of tide observations for periods of at least one year. Since the extremes of meteorological conditions have been excluded from the analyses and predictions, the predicted tidal heights should be considered those expected under average weather conditions. The mariner must be cautioned that during times when weather conditions differ from what is considered average for the area, corresponding differences between predicted levels and those actually observed will be noted. Generally, prolonged onshore winds or a low barometric pressure can produce higher levels than predicted, while the opposite can result in lower levels than those predicted.

Exclusive of weather conditions, the astronomical tide is subject to range variations which should be noted. Decreased ranges may be expected near the times when the Moon is in apogee (apogean tides) or in quadrature (neap tides) and increased ranges when the Moon is in perigee (perigean tides) or in a new or full position (spring tides). A larger diurnal range may also result when the Moon is in its maximum declination (tropic tides). The actual range will depend upon the extent to which combinations of these positions reinforce or detract one from the other. The effect of these astronomical lineups is included in the predictions and may be apparent upon inspection.

The mariner may be kept aware of the times of these astronomical events by referring to the astronomical data listed in this book. He should realize, however, that there is generally a time lag from a few hours to several days from the time of the astronomical event to the resultant tide. During times of storm surges or when extreme weather conditions are imminent, it would be prudent for the mariner to keep closely advised by local weather forecasts as they relate to the effects upon tide levels.

ANCHORAGE, ALASKA, 1981

Lat. 61° 14'N Long. 149° 54'W

Times and Heights of High and Low Waters

JANUARY

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Th	0317	23.8	7.3	16 F	0301	26.5	8.1
	0859	7.2	2.2		0856	5.7	1.7
	1443	26.5	8.1		1451	29.1	8.9
	2154	1.4	0.4		2208	-1.0	-0.3
2 F	0413	25.4	7.7	17 Sa	0410	27.9	8.5
	0959	6.7	2.0		1013	5.6	1.7
	1536	27.2	8.3		1552	29.6	9.0
	2244	-0.1	0.0		2311	-2.5	-0.8
3 Sa	0452	26.7	8.1	18 Su	0506	29.1	8.9
	1050	6.2	1.9		1119	4.8	1.5
	1618	28.1	8.6		1644	30.2	9.2
	2329	-1.1	-0.3				
4 Su	0528	27.6	8.4	19 M	0003	-3.5	-1.1
	1135	5.7	1.7		0553	29.8	9.1
	1659	29.0	8.8		1212	3.9	1.2
					1731	30.8	9.4
5 M	0010	-1.8	-0.5	20 Tu	0048	-3.7	-1.1
	0602	28.4	8.7		0635	30.1	9.2
	1215	5.2	1.6		1257	3.3	1.0
	1739	29.8	9.1		1814	31.1	9.5
6 Tu	0049	-2.2	-0.7	21 W	0129	-3.3	-1.0
	0637	29.0	8.8		0712	30.2	9.2
	1253	4.8	1.5		1338	2.9	0.9
	1816	30.3	9.2		1858	31.1	9.5
7 W	0127	-2.5	-0.8	22 Th	0206	-2.5	-0.8
	0714	29.3	8.9		0745	30.1	9.2
	1332	4.3	1.3		1417	2.9	0.9
	1855	30.4	9.3		1938	30.5	9.3
8 Th	0204	-2.5	-0.8	23 F	0239	-1.5	-0.5
	0751	29.3	8.9		0817	29.9	9.1
	1412	4.0	1.2		1454	3.1	0.9
	1935	30.1	9.2		2018	29.4	9.0
9 F	0241	-2.3	-0.7	24 Sa	0310	-0.4	-0.1
	0826	29.3	8.9		0850	29.5	9.0
	1453	3.6	1.1		1529	3.4	1.0
	2018	29.6	9.0		2055	28.0	8.5
10 Sa	0319	-1.9	-0.6	25 Su	0340	0.8	0.2
	0903	29.3	8.9		0924	29.0	8.8
	1537	3.3	1.0		1604	3.6	1.1
	2102	28.9	8.8		2135	26.4	8.0
11 Su	0358	-1.2	-0.4	26 M	0414	2.3	0.7
	0943	29.4	9.0		1001	28.2	8.6
	1624	2.9	0.9		1643	3.8	1.2
	2151	28.1	8.6		2220	24.8	7.6
12 M	0441	0.0	0.0	27 Tu	0454	4.2	1.3
	1030	29.4	9.0		1043	27.2	8.3
	1715	2.7	0.8		1731	4.1	1.2
	2246	27.0	8.2		2321	23.3	7.1
13 Tu	0531	1.8	0.5	28 W	0541	6.5	2.0
	1123	29.2	8.9		1142	25.9	7.9
	1819	2.4	0.7		1832	4.3	1.3
	2354	25.9	7.9				
14 W	0632	3.7	1.1	29 Th	0039	22.4	6.8
	1229	28.9	8.8		0649	8.7	2.7
	1935	1.6	0.5		1248	25.0	7.6
					1953	3.9	1.2
15 Th	0132	25.5	7.8	30 F	0219	22.8	6.9
	0745	5.1	1.6		0819	9.3	2.8
	1342	28.8	8.8		1355	24.9	7.6
	2051	0.5	0.2		2105	2.7	0.8
				31 Sa	0341	24.4	7.4
					0926	8.6	2.6
					1456	25.4	7.7
					2208	1.2	0.4

FEBRUARY

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Su	0429	25.9	7.9	16 M	0455	29.0	8.8
	1023	7.5	2.3		1112	4.6	1.4
	1551	26.6	8.1		1635	28.9	8.8
	2301	-0.2	-0.1		2348	-2.6	-0.8
2 M	0508	27.2	8.3	17 Tu	0541	29.6	9.0
	1111	6.3	1.9		1201	3.2	1.0
	1637	28.0	8.5		1722	29.7	9.1
	2346	-1.4	-0.4				
3 Tu	0541	28.3	8.6	18 W	0031	-2.7	-0.8
	1153	5.1	1.6		0619	29.9	9.1
	1719	29.5	9.0		1243	2.4	0.7
					1804	30.4	9.3
4 W	0028	-2.3	-0.7	19 Th	0109	-2.2	-0.7
	0615	29.2	8.9		0651	30.0	9.1
	1236	3.9	1.2		1322	1.9	0.6
	1801	30.6	9.3		1842	30.7	9.4
5 Th	0107	-2.9	-0.9	20 F	0143	-1.5	-0.5
	0652	29.9	9.1		0719	30.1	9.2
	1317	2.6	0.8		1357	1.8	0.5
	1841	31.4	9.6		1921	30.6	9.3
6 F	0145	-3.3	-1.0	21 Sa	0212	-0.7	-0.2
	0728	30.4	9.3		0746	30.2	9.2
	1400	1.6	0.5		1430	1.7	0.5
	1925	31.6	9.6		1957	29.9	9.1
7 Sa	0222	-3.2	-1.0	22 Su	0241	0.1	0.0
	0802	30.8	9.4		0814	30.1	9.2
	1442	0.8	0.2		1500	1.6	0.5
	2007	31.3	9.5		2032	29.0	8.8
8 Su	0300	-2.7	-0.8	23 M	0311	1.1	0.3
	0838	31.2	9.5		0844	29.8	9.1
	1524	0.2	0.1		1535	1.5	0.5
	2050	30.7	9.4		2106	27.8	8.5
9 M	0339	-1.7	-0.5	24 Tu	0342	2.4	0.7
	0918	31.3	9.5		0916	29.1	8.9
	1609	0.0	0.0		1609	1.6	0.5
	2137	29.6	9.0		2145	26.4	8.0
10 Tu	0420	0.0	0.0	25 W	0417	4.3	1.3
	1001	31.0	9.4		0951	27.9	8.5
	1659	0.2	0.1		1651	2.1	0.6
	2230	28.1	8.6		2238	24.8	7.6
11 W	0506	2.3	0.7	26 Th	0454	6.6	2.0
	1051	30.0	9.1		1033	26.3	8.0
	1756	0.9	0.3		1739	3.0	0.9
	2342	26.4	8.0		2350	23.3	7.1
12 Th	0605	5.0	1.5	27 F	0546	9.2	2.8
	1155	28.6	8.7		1138	24.4	7.4
	1908	1.4	0.4		1841	4.0	1.2
13 F	0124	25.6	7.8	28 Sa	0116	22.9	7.0
	0725	7.0	2.1		0721	10.9	3.3
	1316	27.6	8.4		1303	23.5	7.2
	2030	1.3	0.4		2011	4.0	1.2
14 Sa	0251	26.4	8.0				
	0848	7.3	2.2				
	1435	27.4	8.4				
	2155	0.1	0.0				
15 Su	0402	27.8	8.5				
	1011	6.3	1.9				
	1541	28.0	8.5				
	2258	-1.6	-0.5				

MARCH

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Su	0251	23.9	7.3	16 M	0344	28.0	8.5
	0854	10.0	3.0		1002	5.5	1.7
	1416	24.0	7.3		1530	26.8	8.2
	2126	2.7	0.8		2239	-0.2	-0.1
2 M	0354	25.6	7.8	17 Tu	0437	29.1	8.9
	0954	8.2	2.5		1058	3.4	1.0
	1520	25.6	7.8		1623	27.9	8.5
	2226	1.1	0.3		2327	-1.1	-0.3
3 Tu	0437	27.2	8.3	18 W	0520	29.6	9.0
	1044	6.2	1.9		1145	2.0	0.6
	1611	27.6	8.4		1709	28.9	8.8
	2317	-0.5	-0.2				
4 W	0512	28.5	8.7	19 Th	0008	-1.1	-0.3
	1131	4.2	1.3		0553	29.8	9.1
	1658	29.6	9.0		1225	1.2	0.4
					1748	29.8	9.1
5 Th	0001	-1.8	-0.5	20 F	0044	-0.6	-0.2
	0549	29.8	9.1		0622	30.0	9.1
	1216	2.3	0.7		1302	0.8	0.2
	1742	31.2	9.5		1825	30.3	9.2
6 F	0042	-2.8	-0.9	21 Sa	0114	0.1	0.0
	0623	30.8	9.4		0647	30.3	9.2
	1300	0.5	0.2		1334	0.6	0.2
	1824	32.3	9.8		1901	30.5	9.3
7 Sa	0122	-3.2	-1.0	22 Su	0142	0.7	0.2
	0658	31.7	9.7		0712	30.5	9.3
	1343	-1.0	-0.3		1404	0.4	0.1
	1909	32.8	10.0		1935	30.2	9.2
8 Su	0202	-3.1	-0.9	23 M	0211	1.3	0.4
	0735	32.4	9.9		0740	30.5	9.3
	1426	-2.0	-0.6		1434	0.2	0.1
	1953	32.6	9.9		2009	29.5	9.0
9 M	0241	-2.4	-0.7	24 Tu	0242	2.1	0.6
	0812	32.8	10.0		0808	30.2	9.2
	1510	-2.5	-0.8		1506	0.0	0.0
	2038	31.9	9.7		2044	28.6	8.7
10 Tu	0320	-1.1	-0.3	25 W	0311	3.4	1.0
	0851	32.7	10.0		0836	29.5	9.0
	1553	-2.3	-0.7		1541	0.2	0.1
	2126	30.7	9.4		2121	27.4	8.4
11 W	0400	0.9	0.3	26 Th	0343	5.0	1.5
	0935	31.9	9.7		0910	28.2	8.6
	1641	-1.4	-0.4		1620	0.8	0.2
	2222	28.9	8.8		2208	26.0	7.9
12 Th	0446	3.6	1.1	27 F	0422	6.9	2.1
	1025	30.2	9.2		0950	26.5	8.1
	1734	0.1	0.0		1705	2.0	0.6
	2336	27.1	8.3		2310	24.5	7.5
13 F	0547	6.4	2.0	28 Sa	0509	9.1	2.8
	1128	27.9	8.5		1045	24.5	7.5
	1843	1.7	0.5		1757	3.4	1.0
14 Sa	0109	26.3	8.0	29 Su	0033	23.8	7.3
	0715	8.1	2.5		0611	10.7	3.3
	1257	26.2	8.0		1201	23.1	7.0
	2008	2.3	0.7		1906	4.3	1.3
15 Su	0235	26.8	8.2	30 M	0156	24.3	7.4
	0845	7.5	2.3		0811	10.4	3.2
	1422	26.0	7.9		1328	23.4	7.1
	2138	1.4	0.4		2035	3.8	1.2
				31 Tu	0305	25.7	7.8
					0919	8.0	2.4
					1443	25.1	7.7
					2143	2.3	0.7

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

Lat. 61° 14'N Long. 149° 54'W

Times and Heights of High and Low Waters

APRIL

Oay	Time h.m.	Height ft.	Height m.	Oay	Time h.m.	Height ft.	Height m.
1 W	0357	27.4	8.4	16 Th	0450	29.3	8.9
	1015	5.4	1.6		1122	0.9	0.3
	1542	27.4	8.4		1652	28.0	8.5
	2239	0.6	0.2		2339	1.2	0.4
2 Th	0439	29.0	8.8	17 F	0522	29.5	9.0
	1104	2.9	0.9		1201	0.2	0.1
	1631	29.6	9.0		1732	28.9	8.8
	2327	-0.8	-0.2				
3 F	0516	30.5	9.3	18 Sa	0014	1.6	0.5
	1153	0.5	0.2		0548	29.8	9.1
	1719	31.4	9.6		1238	-0.1	0.0
					1809	29.5	9.0
4 Sa	0013	-1.7	-0.5	19 Su	0043	2.0	0.6
	0552	31.8	9.7		0612	30.2	9.2
	1240	-1.6	-0.5		1310	-0.3	-0.1
	1806	32.5	9.9		1841	29.8	9.1
5 Su	0057	-2.1	-0.6	20 M	0113	2.3	0.7
	0628	32.8	10.0		0638	30.5	9.3
	1326	-3.2	-1.0		1340	-0.5	-0.2
	1852	33.0	10.1		1917	29.8	9.1
6 M	0138	-1.9	-0.6	21 Tu	0143	2.8	0.9
	0705	33.5	10.2		0707	30.5	9.3
	1410	-4.1	-1.2		1410	-0.8	-0.2
	1938	32.9	10.0		1952	29.4	9.0
7 Tu	0220	-1.1	-0.3	22 W	0214	3.5	1.1
	0744	33.7	10.3		0738	30.0	9.1
	1453	-4.2	-1.3		1443	-0.8	-0.2
	2025	32.2	9.8		2026	28.7	8.7
8 W	0301	0.3	0.1	23 Th	0247	4.5	1.4
	0826	33.3	10.1		0807	29.2	8.9
	1537	-3.6	-1.1		1518	-0.5	-0.2
	2116	31.1	9.5		2103	27.8	8.5
9 Th	0343	2.3	0.7	24 F	0321	5.7	1.7
	0911	31.9	9.7		0839	28.0	8.5
	1622	-2.1	-0.6		1556	0.1	0.0
	2212	29.5	9.0		2148	26.6	8.1
10 F	0433	4.7	1.4	25 Sa	0358	7.1	2.2
	1003	29.6	9.0		0921	26.3	8.0
	1713	-0.1	0.0		1636	1.2	0.4
	2326	28.0	8.5		2241	25.5	7.8
11 Sa	0536	7.1	2.2	26 Su	0446	8.4	2.6
	1109	26.9	8.2		1016	24.6	7.5
	1817	2.0	0.6		1726	2.5	0.8
					2350	24.9	7.6
12 Su	0046	27.1	8.3	27 M	0544	9.4	2.9
	0705	8.0	2.4		1122	23.5	7.2
	1240	25.1	7.7		1824	3.6	1.1
	1938	3.2	1.0				
13 M	0206	27.2	8.3	28 Tu	0106	25.1	7.7
	0832	6.7	2.0		0707	9.2	2.8
	1404	24.9	7.6		1243	23.6	7.2
	2107	3.0	0.9		1938	3.8	1.2
14 Tu	0314	28.0	8.5	29 W	0213	26.3	8.0
	0941	4.4	1.3		0837	6.9	2.1
	1514	25.7	7.8		1400	25.1	7.7
	2210	1.9	0.6		2051	2.8	0.9
15 W	0407	28.8	8.8	30 Th	0312	27.9	8.5
	1037	2.3	0.7		0939	4.0	1.2
	1607	26.9	8.2		1509	27.2	8.3
	2300	1.2	0.4		2154	1.6	0.5

MAY

Oay	Time h.m.	Height ft.	Height m.	Oay	Time h.m.	Height ft.	Height m.
1 F	0359	29.6	9.0	16 Sa	0443	28.7	8.7
	1036	1.2	0.4		1135	-0.4	-0.1
	1607	29.2	8.9		1716	27.7	8.4
	2251	0.6	0.2		2339	3.7	1.1
2 Sa	0439	31.1	9.5	17 Su	0509	29.1	8.9
	1130	-1.2	-0.4		1212	-0.8	-0.2
	1700	30.8	9.4		1751	28.4	8.7
	2343	0.0	0.0				
3 Su	0519	32.3	9.8	18 M	0012	3.8	1.2
	1220	-3.2	-1.0		0537	29.7	9.1
	1750	31.8	9.7		1246	-1.0	-0.3
					1824	28.9	8.8
4 M	0030	-0.2	-0.1	19 Tu	0046	3.9	1.2
	0559	33.2	10.1		0609	30.0	9.1
	1307	-4.5	-1.4		1318	-1.2	-0.4
	1838	32.3	9.8		1859	29.1	8.9
5 Tu	0116	0.0	0.0	20 W	0119	4.2	1.3
	0639	33.7	10.3		0640	30.0	9.1
	1353	-5.1	-1.6		1350	-1.3	-0.4
	1926	32.2	9.8		1935	29.0	8.8
6 W	0201	0.7	0.2	21 Th	0152	4.7	1.4
	0720	33.7	10.3		0712	29.5	9.0
	1437	-4.9	-1.5		1423	-1.2	-0.4
	2015	31.8	9.7		2013	28.5	8.7
7 Th	0244	1.8	0.5	22 F	0226	5.3	1.6
	0805	32.8	10.0		0743	28.7	8.7
	1521	-3.9	-1.2		1458	-0.9	-0.3
	2106	30.9	9.4		2050	27.8	8.5
8 F	0331	3.4	1.0	23 Sa	0303	5.9	1.8
	0852	31.1	9.5		0820	27.6	8.4
	1606	-2.3	-0.7		1535	-0.3	-0.1
	2201	29.8	9.1		2131	27.1	8.3
9 Sa	0420	5.1	1.6	24 Su	0343	6.6	2.0
	0945	28.8	8.8		0905	26.3	8.0
	1653	-0.2	-0.1		1614	0.5	0.2
	2305	28.6	8.7		2214	26.4	8.0
10 Su	0522	6.7	2.0	25 M	0428	7.1	2.2
	1054	26.2	8.0		0958	25.1	7.7
	1750	2.0	0.6		1701	1.4	0.4
					2307	26.1	8.0
11 M	0011	27.6	8.4	26 Tu	0524	7.3	2.2
	0641	7.1	2.2		1100	24.3	7.4
	1213	24.4	7.4		1753	2.4	0.7
	1854	3.7	1.1				
12 Tu	0124	27.2	8.3	27 W	0011	26.3	8.0
	0800	6.0	1.8		0632	6.8	2.1
	1336	23.9	7.3		1206	24.4	7.4
	2011	4.5	1.4		1856	3.1	0.9
13 W	0232	27.5	8.4	28 Th	0119	27.1	8.3
	0909	4.0	1.2		0755	4.9	1.5
	1451	24.5	7.5		1321	25.2	7.7
	2125	4.3	1.3		2006	3.0	0.9
14 Th	0328	27.9	8.5	29 F	0220	28.4	8.7
	1007	1.9	0.6		0904	2.3	0.7
	1549	25.7	7.8		1440	26.7	8.1
	2221	3.9	1.2		2112	2.6	0.8
15 F	0409	28.3	8.6	30 Sa	0314	29.8	9.1
	1053	0.5	0.2		1007	-0.2	-0.1
	1637	26.8	8.2		1549	28.4	8.7
	2303	3.7	1.1		2213	2.2	0.7
				31 Su	0402	31.1	9.5
					1108	-2.3	-0.7
					1647	29.7	9.1
					2313	2.0	0.6

JUNE

Oay	Time h.m.	Height ft.	Height m.	Oay	Time h.m.	Height ft.	Height m.
1 M	0447	32.1	9.8	16 Tu	0508	28.8	8.8
	1202	-3.9	-1.2		1222	-1.4	-0.4
	1738	30.6	9.3		1809	28.1	8.6
2 Tu	0007	1.9	0.6	17 W	0022	5.1	1.6
	0532	32.8	10.0		0543	29.3	8.9
	1251	-4.8	-1.5		1257	-1.6	-0.5
	1828	31.0	9.4		1844	28.5	8.7
3 W	0057	1.9	0.6	18 Th	0059	5.0	1.5
	0617	33.1	10.1		0619	29.4	9.0
	1338	-5.1	-1.6		1332	-1.7	-0.5
	1914	31.1	9.5		1919	28.6	8.7
4 Th	0145	2.1	0.6	19 F	0134	5.1	1.6
	0702	32.8	10.0		0654	29.2	8.9
	1422	-4.8	-1.5		1406	-1.5	-0.5
	2002	31.0	9.4		1957	28.4	8.7
5 F	0231	2.7	0.8	20 Sa	0210	5.1	1.6
	0749	31.9	9.7		0730	28.6	8.7
	1505	-3.7	-1.1		1440	-1.3	-0.4
	2050	30.5	9.3		2034	28.1	8.6
6 Sa	0317	3.5	1.1	21 Su	0249	5.2	1.6
	0838	30.4	9.3		0809	27.8	8.5
	1547	-2.2	-0.7		1517	-0.9	-0.3
	2140	29.8	9.1		2111	27.7	8.4
7 Su	0406	4.5	1.4	22 M	0331	5.2	1.6
	0932	28.3	8.6		0854	27.0	8.2
	1630	-0.3	-0.1		1556	-0.4	-0.1
	2233	28.8	8.8		2148	27.5	8.4
8 M	0459	5.5	1.7	23 Tu	0416	5.1	1.6
	1028	26.0	7.9		0943	26.2	8.0
	1715	1.8	0.5		1638	0.4	0.1
	2328	27.8	8.5		2233	27.6	8.4
9 Tu	0603	6.0	1.8	24 W	0507	4.8	1.5
	1138	24.2	7.4		1038	25.6	7.8
	1806	3.7	1.1		1726	1.4	0.4
					2325	27.7	8.4
10 W	0028	27.0	8.2	25 Th	0606	4.2	1.3
	0714	5.5	1.7		1140	25.2	7.7
	1252	23.1	7.0		1823	2.6	0.8
	1906	5.2	1.6				
11 Th	0130	26.6	8.1	26 F	0024	28.1	8.6
	0822	4.2	1.3		0719	2.9	0.9
	1416	23.3	7.1		1252	25.3	7.7
	2011	6.0	1.8		1929	3.5	1.1
12 F	0229	26.7	8.1	27 Sa	0131	28.8	8.8
	0925	2.5	0.8		0832	1.0	0.3
	1525	24.4	7.4		1422	26.1	8.0
	2118	6.1	1.9		2038	3.9	1.2
13 Sa	0317	27.0	8.2	28 Su	0235	29.7	9.1
	1018	0.9	0.3		0942	-0.8	-0.2
	1618	25.7	7.8		1539	27.5	8.4
	2215	5.7	1.7		2144	4.0	1.2
14 Su	0357	27.6	8.4	29 M	0332	30.5	9.3
	1103	-0.3	-0.1		1048	-2.4	-0.7
	1701	26.7	8.1		1639	28.8	8.8
	2302	5.4	1.6		2250	3.9	1.2
15 M	0433	28.2	8.6	30 Tu	0424	31.3	9.5
	1143	-1.0	-0.3		1146	-3.7	-1.1
	1735	27.5	8.4		1732	29.7	9.1
	2343	5.2	1.6		2351	3.5	1.1

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

ANCHORAGE, ALASKA, 1981

Lat. 61° 14'N Long. 149° 54'W

Times and Heights of High and Low Waters

JULY

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 W	0514	31.8	9.7	16 Th	0001	5.5	1.7
	1238	-4.5	-1.4		0524	28.7	8.7
	1820	30.1	9.2		1236	-1.8	-0.5
					1825	28.4	8.7
2 Th	0044	3.0	0.9	17 F	0040	4.9	1.5
	0602	32.1	9.8		0603	29.4	9.0
	1324	-4.7	-1.4		1313	-2.0	-0.6
	1905	30.3	9.2		1901	28.8	8.8
3 F	0132	2.7	0.8	18 Sa	0118	4.4	1.3
	0649	32.0	9.8		0642	29.6	9.0
	1407	-4.2	-1.3		1349	-2.0	-0.6
	1948	30.4	9.3		1936	28.9	8.8
4 Sa	0217	2.6	0.8	19 Su	0157	4.0	1.2
	0736	31.3	9.5		0721	29.5	9.0
	1447	-3.2	-1.0		1424	-1.9	-0.6
	2030	30.2	9.2		2010	28.9	8.8
5 Su	0300	2.9	0.9	20 M	0236	3.5	1.1
	0822	30.1	9.2		0801	29.1	8.9
	1524	-1.8	-0.5		1459	-1.6	-0.5
	2111	29.7	9.1		2044	28.9	8.8
6 M	0345	3.5	1.1	21 Tu	0318	3.1	0.9
	0911	28.4	8.7		0842	28.5	8.7
	1601	-0.2	-0.1		1537	-1.1	-0.3
	2153	29.0	8.8		2121	29.0	8.8
7 Tu	0427	4.2	1.3	22 W	0401	2.7	0.8
	0958	26.4	8.0		0927	27.8	8.5
	1638	1.7	0.5		1616	-0.2	-0.1
	2239	28.0	8.5		2201	29.2	8.9
8 W	0515	4.7	1.4	23 Th	0449	2.3	0.7
	1054	24.5	7.5		1019	27.0	8.2
	1720	3.7	1.1		1701	1.2	0.4
	2328	27.0	8.2		2249	29.1	8.9
9 Th	0613	5.0	1.5	24 F	0544	2.0	0.6
	1158	23.1	7.0		1118	26.1	8.0
	1813	5.7	1.7		1754	3.1	0.9
					2346	28.9	8.8
10 F	0022	26.2	8.0	25 Sa	0651	1.6	0.5
	0720	4.5	1.4		1235	25.4	7.7
	1315	22.6	6.9		1900	4.8	1.5
	1918	7.2	2.2				
11 Sa	0119	25.8	7.9	26 Su	0054	28.7	8.7
	0827	3.4	1.0		0804	0.7	0.2
	1451	23.4	7.1		1416	25.8	7.9
	2029	7.6	2.3		2014	5.6	1.7
12 Su	0216	25.8	7.9	27 M	0206	28.9	8.8
	0933	1.8	0.5		0922	-0.4	-0.1
	1554	24.8	7.6		1533	27.2	8.3
	2133	7.3	2.2		2125	5.7	1.7
13 M	0312	26.3	8.0	28 Tu	0314	29.4	9.0
	1027	0.4	0.1		1035	-1.8	-0.5
	1642	26.2	8.0		1634	28.6	8.7
	2231	6.7	2.0		2242	5.1	1.6
14 Tu	0402	27.0	8.2	29 W	0413	30.2	9.2
	1115	-0.7	-0.2		1135	-3.2	-1.0
	1719	27.1	8.3		1727	29.5	9.0
	2319	6.0	1.8		2343	4.0	1.2
15 W	0444	27.9	8.5	30 Th	0504	30.8	9.4
	1157	-1.4	-0.4		1225	-3.9	-1.2
	1750	27.8	8.5		1811	30.0	9.1
				31 F	0034	3.0	0.9
					0553	31.4	9.6
					1309	-3.9	-1.2
					1850	30.2	9.2

AUGUST

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Sa	0119	2.3	0.7	16 Su	0101	3.0	0.9
	0636	31.5	9.6		0625	30.7	9.4
	1349	-3.3	-1.0		1327	-2.3	-0.7
	1927	30.2	9.2		1909	30.1	9.2
2 Su	0201	2.0	0.6	17 M	0141	2.0	0.6
	0721	31.2	9.5		0705	31.0	9.4
	1425	-2.2	-0.7		1402	-2.2	-0.7
	2002	30.2	9.2		1941	30.4	9.3
3 M	0241	2.0	0.6	18 Tu	0223	1.2	0.4
	0804	30.3	9.2		0747	30.8	9.4
	1458	-0.9	-0.3		1439	-1.8	-0.5
	2036	29.9	9.1		2015	30.6	9.3
4 Tu	0319	2.4	0.7	19 W	0303	0.6	0.2
	0844	28.9	8.8		0829	30.3	9.2
	1529	0.5	0.2		1516	-1.0	-0.3
	2111	29.3	8.9		2052	30.9	9.4
5 W	0356	2.8	0.9	20 Th	0347	0.2	0.1
	0927	27.3	8.3		0913	29.5	9.0
	1601	2.1	0.6		1555	0.2	0.1
	2145	28.5	8.7		2132	30.8	9.4
6 Th	0433	3.2	1.0	21 F	0432	0.2	0.1
	1009	25.6	7.8		1004	28.3	8.6
	1638	4.0	1.2		1638	2.1	0.6
	2225	27.4	8.4		2217	30.2	9.2
7 F	0515	3.7	1.1	22 Sa	0523	0.6	0.2
	1105	24.0	7.3		1104	26.9	8.2
	1721	6.2	1.9		1728	4.4	1.3
	2318	26.1	8.0		2315	29.1	8.9
8 Sa	0610	4.1	1.2	23 Su	0625	1.1	0.3
	1219	22.9	7.0		1232	25.9	7.9
	1821	8.4	2.6		1839	6.6	2.0
9 Su	0024	24.9	7.6	24 M	0026	28.0	8.5
	0723	4.0	1.2		0742	1.3	0.4
	1350	23.0	7.0		1410	26.3	8.0
	1950	9.4	2.9		2003	7.2	2.2
10 M	0131	24.5	7.5	25 Tu	0152	27.7	8.4
	0840	3.0	0.9		0909	0.6	0.2
	1522	24.4	7.4		1525	27.7	8.4
	2104	8.8	2.7		2125	6.5	2.0
11 Tu	0233	24.9	7.6	26 W	0308	28.3	8.6
	0949	1.6	0.5		1024	-0.9	-0.3
	1614	26.0	7.9		1624	29.1	8.9
	2205	7.6	2.3		2239	4.8	1.5
12 W	0331	26.0	7.9	27 Th	0407	29.3	8.9
	1044	0.2	0.1		1121	-2.3	-0.7
	1652	27.2	8.3		1714	30.0	9.1
	2255	6.3	1.9		2335	3.1	0.9
13 Th	0421	27.3	8.3	28 F	0457	30.2	9.2
	1130	-0.9	-0.3		1209	-2.9	-0.9
	1727	28.2	8.6		1756	30.3	9.2
	2338	5.2	1.6				
14 F	0504	28.7	8.7	29 Sa	0021	2.0	0.6
	1212	-1.6	-0.5		0541	31.0	9.4
	1800	28.9	8.8		1249	-2.5	-0.8
					1830	30.4	9.3
15 Sa	0020	4.1	1.2	30 Su	0103	1.3	0.4
	0545	29.9	9.1		0623	31.3	9.5
	1250	-2.1	-0.6		1326	-1.7	-0.5
	1834	29.6	9.0		1900	30.5	9.3
				31 M	0142	1.1	0.3
					0703	31.2	9.5
					1359	-0.6	-0.2
					1929	30.5	9.3

SEPTEMBER

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Tu	0217	1.2	0.4	16 W	0205	-1.3	-0.4
	0741	30.6	9.3		0730	32.2	9.8
	1428	0.5	0.2		1416	-1.2	-0.4
	1959	30.3	9.2		1946	32.5	9.9
2 W	0250	1.4	0.4	17 Th	0247	-1.8	-0.5
	0818	29.6	9.0		0813	31.7	9.7
	1456	1.7	0.5		1455	-0.2	-0.1
	2028	29.9	9.1		2023	32.5	9.9
3 Th	0323	1.6	0.5	18 F	0330	-1.8	-0.5
	0855	28.3	8.6		0900	30.7	9.4
	1527	3.0	0.9		1535	1.4	0.4
	2058	29.1	8.9		2105	32.0	9.8
4 F	0357	1.9	0.6	19 Sa	0414	-1.3	-0.4
	0935	26.8	8.2		0951	29.3	8.9
	1601	4.7	1.4		1617	3.5	1.1
	2132	28.0	8.5		2151	30.7	9.4
5 Sa	0436	2.3	0.7	20 Su	0504	-0.1	0.0
	1024	25.3	7.7		1056	27.7	8.4
	1641	6.9	2.1		1713	6.0	1.8
	2212	26.3	8.0		2251	28.7	8.7
6 Su	0521	3.1	0.9	21 M	0605	1.3	0.4
	1133	23.9	7.3		1229	26.8	8.2
	1730	9.2	2.8		1829	7.9	2.4
	2310	24.5	7.5				
7 M	0617	4.1	1.2	22 Tu	0010	26.9	8.2
	1255	23.5	7.2		0723	2.1	0.6
	1853	10.9	3.3		1352	27.2	8.3
					2000	7.7	2.3
8 Tu	0041	23.3	7.1	23 W	0144	26.6	8.1
	0745	4.3	1.3		0853	1.7	0.5
	1429	24.4	7.4		1507	28.5	8.7
	2035	10.0	3.0		2125	5.8	1.8
9 W	0200	23.7	7.2	24 Th	0259	27.4	8.4
	0905	3.1	0.9		1007	0.3	0.1
	1535	26.0	7.9		1607	29.7	9.1
	2136	8.1	2.5		2229	3.4	1.0
10 Th	0304	25.2	7.7	25 F	0358	28.6	8.7
	1007	1.6	0.5		1101	-0.9	-0.3
	1619	27.5	8.4		1654	30.5	9.3
	2229	6.1	1.9		2320	1.6	0.5
11 F	0357	27.1	8.3	26 Sa	0447	29.6	9.0
	1058	0.2	0.1		1148	-1.1	-0.3
	1655	28.8	8.8		1732	30.7	9.4
	2314	4.3	1.3				
12 Sa	0440	29.0	8.8	27 Su	0005	0.6	0.2
	1143	-0.9	-0.3		0529	30.4	9.3
	1730	29.8	9.1		1226	-0.5	-0.2
	2357	2.6	0.8		1803	30.7	9.4
13 Su	0522	30.6	9.3	28 M	0044	0.3	0.1
	1222	-1.5	-0.5		0607	30.9	9.4
	1804	30.8	9.4		1300	0.4	0.1
					1829	30.8	9.4
14 M	0040	1.0	0.3	29 Tu	0120	0.3	0.1
	0604	31.8	9.7		0644	31.0	9.4
	1301	-1.9	-0.6		1329	1.4	0.4
	1837	31.5	9.6		1855	30.9	9.4
15 Tu	0122	-0.3	-0.1	30 W	0152	0.4	0.1
	0648	32.3	9.8		0720	30.6	9.3
	1339	-1.8	-0.5		1356	2.2	0.7
	1911	32.1	9.8		1922	30.8	9.4

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

Lat. 61° 14'N Long. 149° 54'W

Times and Heights of High and Low Waters

OCTOBER

Day	Time	Height ft.	Height m.
1 Th	0223	0.5	0.2
	0756	29.9	9.1
	1426	3.1	0.9
	1949	30.3	9.2
2 F	0253	0.6	0.2
	0831	28.9	8.8
	1457	4.2	1.3
	2018	29.5	9.0
3 Sa	0327	0.8	0.2
	0908	27.8	8.5
	1530	5.7	1.7
	2050	28.3	8.6
4 Su	0404	1.4	0.4
	0955	26.4	8.0
	1608	7.5	2.3
	2127	26.6	8.1
5 M	0446	2.4	0.7
	1054	25.1	7.7
	1654	9.4	2.9
	2222	24.5	7.5
6 Tu	0536	3.7	1.1
	1214	24.4	7.4
	1755	11.0	3.4
	2340	22.8	6.9
7 W	0641	4.8	1.5
	1333	24.8	7.6
	1955	10.6	3.2
8 Th	0114	22.9	7.0
	0814	4.5	1.4
	1445	26.1	8.0
	2104	8.2	2.5
9 F	0227	24.5	7.5
	0923	3.1	0.9
	1538	27.7	8.4
	2157	5.6	1.7
10 Sa	0325	26.7	8.1
	1018	1.6	0.5
	1618	29.3	8.9
	2244	3.2	1.0
11 Su	0415	29.0	8.8
	1105	0.5	0.2
	1655	30.6	9.3
	2332	1.0	0.3
12 M	0500	30.8	9.4
	1149	-0.4	-0.1
	1729	31.8	9.7
13 Tu	0017	-0.9	-0.3
	0543	32.1	9.8
	1233	-0.7	-0.2
	1804	32.8	10.0
14 W	0102	-2.4	-0.7
	0628	32.7	10.0
	1314	-0.6	-0.2
	1841	33.5	10.2
15 Th	0147	-3.4	-1.0
	0714	32.7	10.0
	1354	0.0	0.0
	1918	33.8	10.3
16 F	0230	-3.7	-1.1
	0801	32.2	9.8
	1436	1.1	0.3
	1959	33.5	10.2
17 Sa	0313	-3.2	-1.0
	0849	31.2	9.5
	1519	2.7	0.8
	2042	32.4	9.9
18 Su	0358	-2.1	-0.6
	0943	30.0	9.1
	1604	4.6	1.4
	2131	30.5	9.3
19 M	0446	-0.5	-0.2
	1049	28.7	8.7
	1702	6.7	2.0
	2233	28.1	8.6
20 Tu	0546	1.4	0.4
	1209	27.8	8.5
	1822	7.8	2.4
	2358	26.1	8.0
21 W	0700	2.7	0.8
	1328	27.9	8.5
	1952	6.9	2.1
22 Th	0131	25.6	7.8
	0824	2.9	0.9
	1441	28.7	8.7
	2108	4.6	1.4
23 F	0245	26.4	8.0
	0940	2.1	0.6
	1539	29.7	9.1
	2210	2.2	0.7
24 Sa	0344	27.6	8.4
	1035	1.4	0.4
	1626	30.2	9.2
	2300	0.5	0.2
25 Su	0433	28.6	8.7
	1120	1.4	0.4
	1701	30.3	9.2
	2344	-0.3	-0.1
26 M	0515	29.4	9.0
	1157	1.9	0.6
	1732	30.4	9.3
27 Tu	0022	-0.5	-0.2
	0553	29.9	9.1
	1230	2.7	0.8
	1756	30.6	9.3
28 W	0056	-0.4	-0.1
	0628	30.2	9.2
	1258	3.3	1.0
	1822	30.9	9.4
29 Th	0128	-0.3	-0.1
	0702	30.2	9.2
	1327	3.7	1.1
	1849	30.8	9.4
30 F	0158	-0.2	-0.1
	0736	29.8	9.1
	1358	4.3	1.3
	1919	30.3	9.2
31 Sa	0230	-0.1	0.0
	0812	29.1	8.9
	1431	5.2	1.6
	1947	29.4	9.0

NOVEMBER

Day	Time	Height ft.	Height m.
1 Su	0302	0.1	0.0
	0850	28.2	8.6
	1506	6.3	1.9
	2019	28.2	8.6
2 M	0338	0.7	0.2
	0932	27.1	8.3
	1543	7.5	2.3
	2058	26.6	8.1
3 Tu	0417	1.7	0.5
	1025	26.1	8.0
	1630	8.8	2.7
	2151	24.7	7.5
4 W	0504	3.0	0.9
	1130	25.3	7.7
	1725	9.8	3.0
	2259	23.2	7.1
5 Th	0558	4.2	1.3
	1244	25.3	7.7
	1839	9.7	3.0
6 F	0019	22.9	7.0
	0708	4.8	1.5
	1352	26.3	8.0
	2017	7.6	2.3
7 Sa	0139	24.1	7.3
	0827	4.1	1.2
	1449	27.7	8.4
	2117	4.7	1.4
8 Su	0248	26.2	8.0
	0930	3.0	0.9
	1536	29.4	9.0
	2213	1.9	0.6
9 M	0346	28.4	8.7
	1023	2.0	0.6
	1616	30.9	9.4
	2305	-0.5	-0.2
10 Tu	0439	30.2	9.2
	1114	1.2	0.4
	1655	32.3	9.8
	2354	-2.5	-0.8
11 W	0527	31.5	9.6
	1203	0.9	0.3
	1732	33.4	10.2
12 Th	0043	-3.9	-1.2
	0614	32.2	9.8
	1249	0.9	0.3
	1813	34.1	10.4
13 F	0129	-4.7	-1.4
	0700	32.3	9.8
	1335	1.3	0.4
	1855	34.2	10.4
14 Sa	0214	-4.8	-1.5
	0749	32.0	9.8
	1420	2.1	0.6
	1938	33.6	10.2
15 Su	0258	-4.1	-1.2
	0838	31.3	9.5
	1506	3.2	1.0
	2026	32.2	9.8
16 M	0343	-2.8	-0.9
	0932	30.5	9.3
	1556	4.6	1.4
	2118	30.2	9.2
17 Tu	0430	-0.9	-0.3
	1032	29.4	9.0
	1653	6.0	1.8
	2220	27.8	8.5
18 W	0523	1.1	0.3
	1141	28.6	8.7
	1805	6.7	2.0
	2338	25.7	7.8
19 Th	0626	3.0	0.9
	1251	28.1	8.6
	1923	5.9	1.8
20 F	0102	24.7	7.5
	0739	4.2	1.3
	1401	28.2	8.6
	2040	4.1	1.2
21 Sa	0222	25.0	7.6
	0857	4.5	1.4
	1501	28.6	8.7
	2144	2.0	0.6
22 Su	0328	26.1	8.0
	1000	4.3	1.3
	1549	28.9	8.8
	2235	0.3	0.1
23 M	0421	27.2	8.3
	1047	4.2	1.3
	1626	29.1	8.9
	2319	-0.6	-0.2
24 Tu	0504	28.1	8.6
	1127	4.4	1.3
	1658	29.4	9.0
	2357	-0.9	-0.3
25 W	0540	28.8	8.8
	1200	4.6	1.4
	1725	29.8	9.1
26 Th	0033	-1.0	-0.3
	0614	29.2	8.9
	1231	4.7	1.4
	1753	30.2	9.2
27 F	0106	-1.0	-0.3
	0646	29.5	9.0
	1303	4.8	1.5
	1824	30.3	9.2
28 Sa	0137	-0.9	-0.3
	0721	29.4	9.0
	1336	5.1	1.6
	1856	29.9	9.1
29 Su	0210	-0.8	-0.2
	0757	29.0	8.8
	1410	5.5	1.7
	1928	29.1	8.9
30 M	0242	-0.4	-0.1
	0834	28.4	8.7
	1447	6.1	1.9
	2002	28.0	8.5

DECEMBER

Day	Time	Height ft.	Height m.
1 Tu	0318	0.1	0.0
	0913	27.7	8.4
	1527	6.7	2.0
	2042	26.7	8.1
2 W	0355	0.8	0.2
	0955	26.9	8.2
	1612	7.3	2.2
	2134	25.4	7.7
3 Th	0437	1.8	0.5
	1042	26.4	8.0
	1701	7.6	2.3
	2233	24.2	7.4
4 F	0526	3.0	0.9
	1141	26.2	8.0
	1802	7.4	2.3
	2339	23.7	7.2
5 Sa	0623	4.0	1.2
	1247	26.6	8.1
	1921	6.1	1.9
6 Su	0050	24.2	7.4
	0732	4.4	1.3
	1351	27.7	8.4
	2037	3.6	1.1
7 M	0208	25.5	7.8
	0840	4.1	1.2
	1446	29.2	8.9
	2139	0.9	0.3
8 Tu	0322	27.4	8.4
	0942	3.5	1.1
	1536	30.7	9.4
	2239	-1.4	-0.4
9 W	0424	29.1	8.9
	1042	3.0	0.9
	1623	32.0	9.8
	2335	-3.2	-1.0
10 Th	0516	30.4	9.3
	1138	2.6	0.8
	1707	33.0	10.1
11 F	0025	-4.6	-1.4
	0605	31.2	9.5
	1230	2.3	0.7
	1751	33.6	10.2
12 Sa	0114	-5.2	-1.6
	0651	31.5	9.6
	1320	2.2	0.7
	1838	33.7	10.3
13 Su	0200	-5.2	-1.6
	0737	31.5	9.6
	1407	2.3	0.7
	1925	33.2	10.1
14 M	0244	-4.5	-1.4
	0825	31.2	9.5
	1455	2.8	0.9
	2013	32.0	9.8
15 Tu	0327	-3.2	-1.0
	0913	30.7	9.4
	1543	3.5	1.1
	2104	30.1	9.2
16 W	0409	-1.4	-0.4
	1004	29.9	9.1
	1635	4.4	1.3
	2201	27.9	8.5
17 Th	0454	0.8	0.2
	1059	28.9	8.8
	1734	5.1	1.6
	2305	25.7	7.8
18 F	0544	3.1	0.9
	1200	27.9	8.5
	1842	5.2	1.6
19 Sa	0021	24.1	7.3
	0642	5.1	1.6
	1303	27.2	8.3
	1952	4.4	1.3
20 Su	0147	23.6	7.2
	0747	6.5	2.0
	1406	26.8	8.2
	2102	3.0	0.9
21 M	0304	24.4	7.4
	0901	7.0	2.1
	1501	26.9	8.2
	2202	1.4	0.4
22 Tu	0403	25.7	7.8
	1005	6.8	2.1
	1546	27.3	8.3
	2250	0.0	0.0
23 W	0450	26.9	8.2
	1052	6.3	1.9
	1623	27.9	8.5
	2332	-0.8	-0.2
24 Th	0529	27.8	8.5
	1133	5.9	1.8
	1658	28.6	8.7
25 F	0010	-1.3	-0.4
	0601	28.4	8.7
	1209	5.5	1.7
	1732	29.2	8.9
26 Sa	0046	-1.5	-0.5
	0633	28.9	8.8
	1245	5.2	1.6
	1807	29.6	9.0
27 Su	0120	-1.6	-0.5
	0706	29.1	8.9
	1321	5.0	1.5
	1844	29.6	9.0
28 M	0154	-1.4	-0.4
	0742	29.1	8.9
	1356	4.9	1.5
	1917	29.1	8.9
29 Tu	0226	-1.1	-0.3
	0817	28.8	8.8
	1434	4.9	1.5
	1953	28.4	8.7
30 W	0259	-0.7	-0.2
	0852	28.4	8.7
	1513	5.0	1.5
	2034	27.6	8.4
31 Th	0335	-0.2	-0.1
	0927	28.0	8.5
	1556	5.0	1.5
	2119	26.6	8.1

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

NIKISHKA, ALASKA, 1981

Lat. 60° 41'N Long. 151° 24'W

Times and Heights of High and Low Waters

JANUARY

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Th	0026	16.1	4.9	16 F	0016	18.1	5.5
	0618	7.1	2.2		0613	5.9	1.8
	1218	18.7	5.7		1210	20.9	6.4
	1908	2.4	0.7		1903	-0.4	-0.1
2 F	0119	17.0	5.2	17 Sa	0117	19.3	5.9
	0708	7.0	2.1		0714	5.5	1.7
	1301	19.2	5.9		1303	21.7	6.6
	1951	1.1	0.3		1957	-1.8	-0.5
3 Sa	0203	18.0	5.5	18 Su	0210	20.6	6.3
	0753	6.6	2.0		0809	4.8	1.5
	1338	19.8	6.0		1353	22.4	6.8
	2028	-0.1	0.0		2044	-2.9	-0.9
4 Su	0244	18.9	5.8	19 M	0257	21.6	6.6
	0831	6.0	1.8		0854	4.0	1.2
	1413	20.5	6.2		1438	23.0	7.0
	2105	-1.2	-0.4		2127	-3.5	-1.1
5 M	0320	19.7	6.0	20 Tu	0339	22.3	6.8
	0910	5.3	1.6		0940	3.3	1.0
	1446	21.2	6.5		1523	23.1	7.0
	2142	-2.1	-0.6		2209	-3.6	-1.1
6 Tu	0355	20.4	6.2	21 W	0420	22.7	6.9
	0948	4.6	1.4		1023	2.7	0.8
	1521	21.7	6.6		1605	22.9	7.0
	2219	-2.7	-0.8		2249	-3.3	-1.0
7 W	0431	20.9	6.4	22 Th	0459	22.8	6.9
	1029	3.9	1.2		1106	2.5	0.8
	1559	22.1	6.7		1647	22.3	6.8
	2256	-3.0	-0.9		2328	-2.5	-0.8
8 Th	0508	21.2	6.5	23 F	0538	22.4	6.8
	1111	3.4	1.0		1148	2.5	0.8
	1639	22.0	6.7		1733	21.2	6.5
	2335	-2.9	-0.9				
9 F	0548	21.3	6.5	24 Sa	0007	-1.2	-0.4
	1153	3.0	0.9		0620	21.8	6.6
	1723	21.5	6.6		1232	2.9	0.9
					1819	19.9	6.1
10 Sa	0015	-2.2	-0.7	25 Su	0046	0.4	0.1
	0628	21.2	6.5		0700	20.8	6.3
	1241	3.0	0.9		1318	3.5	1.1
	1815	20.6	6.3		1910	18.2	5.5
11 Su	0100	-0.9	-0.3	26 M	0128	2.4	0.7
	0715	20.9	6.4		0745	19.7	6.0
	1334	3.1	0.9		1408	4.3	1.3
	1914	19.3	5.9		2008	16.6	5.1
12 M	0150	0.8	0.2	27 Tu	0213	4.5	1.4
	0808	20.4	6.2		0835	18.5	5.6
	1434	3.3	1.0		1509	4.9	1.5
	2026	18.0	5.5		2120	15.3	4.7
13 Tu	0245	2.7	0.8	28 W	0307	6.5	2.0
	0905	20.1	6.1		0932	17.5	5.3
	1543	3.2	1.0		1618	5.1	1.6
	2146	17.2	5.2		2234	14.7	4.5
14 W	0352	4.5	1.4	29 Th	0416	8.0	2.4
	1007	20.0	6.1		1032	17.0	5.2
	1655	2.5	0.8		1729	4.6	1.4
	2304	17.3	5.3		2349	15.0	4.6
15 Th	0505	5.6	1.7	30 F	0528	8.7	2.7
	1109	20.2	6.2		1131	17.1	5.2
	1804	1.2	0.4		1831	3.4	1.0
				31 Sa	0051	15.9	4.8
					0634	8.4	2.6
					1226	17.7	5.4
					1924	1.9	0.6

FEBRUARY

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Su	0141	17.1	5.2	16 M	0201	20.0	6.1
	0727	7.6	2.3		0759	5.0	1.5
	1312	18.6	5.7		1348	21.0	6.4
	2004	0.4	0.1		2031	-1.9	-0.6
2 M	0223	18.3	5.6	17 Tu	0246	21.1	6.4
	0809	6.3	1.9		0846	3.6	1.1
	1353	19.8	6.0		1433	21.8	6.6
	2044	-1.0	-0.3		2113	-2.5	-0.8
3 Tu	0300	19.5	5.9	18 W	0323	22.0	6.7
	0852	4.9	1.5		0927	2.5	0.8
	1431	20.9	6.4		1516	22.2	6.8
	2121	-2.3	-0.7		2151	-2.7	-0.8
4 W	0333	20.6	6.3	19 Th	0358	22.5	6.9
	0931	3.4	1.0		1007	1.6	0.5
	1511	22.0	6.7		1554	22.3	6.8
	2157	-3.3	-1.0		2227	-2.5	-0.8
5 Th	0408	21.6	6.6	20 F	0433	22.7	6.9
	1012	2.1	0.6		1045	1.0	0.3
	1550	22.7	6.9		1634	22.0	6.7
	2236	-3.8	-1.2		2302	-1.9	-0.6
6 F	0442	22.3	6.8	21 Sa	0506	22.5	6.9
	1052	1.0	0.3		1124	0.8	0.2
	1631	23.0	7.0		1711	21.3	6.5
	2314	-3.7	-1.1		2336	-0.9	-0.3
7 Sa	0519	22.7	6.9	22 Su	0540	21.9	6.7
	1135	0.3	0.1		1201	1.1	0.3
	1716	22.7	6.9		1753	20.2	6.2
	2353	-2.9	-0.9				
8 Su	0559	22.7	6.9	23 M	0012	0.6	0.2
	1220	0.2	0.1		0615	21.0	6.4
	1804	21.7	6.6		1241	1.7	0.5
					1836	18.8	5.7
9 M	0036	-1.4	-0.4	24 Tu	0047	2.4	0.7
	0641	22.3	6.8		0649	19.8	6.0
	1312	0.5	0.2		1326	2.6	0.8
	1900	20.2	6.2		1929	17.1	5.2
10 Tu	0121	0.7	0.2	25 W	0123	4.5	1.4
	0729	21.4	6.5		0729	18.5	5.6
	1408	1.2	0.4		1416	3.7	1.1
	2006	18.6	5.7		2032	15.5	4.7
11 W	0216	3.2	1.0	26 Th	0208	6.6	2.0
	0824	20.4	6.2		0814	17.1	5.2
	1514	1.9	0.6		1519	4.6	1.4
	2123	17.3	5.3		2148	14.5	4.4
12 Th	0322	5.5	1.7	27 F	0314	8.4	2.6
	0930	19.5	5.9		0922	16.1	4.9
	1630	2.2	0.7		1636	4.8	1.5
	2245	16.9	5.2		2307	14.4	4.4
13 F	0441	6.9	2.1	28 Sa	0440	9.3	2.8
	1044	19.1	5.8		1040	15.8	4.8
	1744	1.6	0.5		1749	4.1	1.2
14 Sa	0002	17.5	5.3				
	0557	7.1	2.2				
	1154	19.4	5.9				
	1850	0.4	0.1				
15 Su	0108	18.7	5.7				
	0703	6.2	1.9				
	1255	20.2	6.2				
	1946	-0.8	-0.2				

MARCH

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Su	0018	15.3	4.7	16 M	0055	18.7	5.7
	0557	8.9	2.7		0655	5.9	1.8
	1149	16.4	5.0		1250	18.9	5.8
	1847	2.6	0.8		1927	0.2	0.1
2 M	0111	16.6	5.1	17 Tu	0146	19.9	6.1
	0658	7.5	2.3		0748	4.2	1.3
	1247	17.7	5.4		1343	19.9	6.1
	1935	0.9	0.3		2012	-0.6	-0.2
3 Tu	0153	18.1	5.5	18 W	0225	20.9	6.4
	0748	5.7	1.7		0831	2.6	0.8
	1332	19.2	5.9		1425	20.8	6.3
	2017	-0.7	-0.2		2053	-1.1	-0.3
4 W	0229	19.6	6.0	19 Th	0300	21.7	6.6
	0829	3.6	1.1		0910	1.3	0.4
	1415	20.8	6.3		1506	21.3	6.5
	2055	-2.2	-0.7		2128	-1.3	-0.4
5 Th	0303	21.1	6.4	20 F	0331	22.2	6.8
	0910	1.6	0.5		0947	0.3	0.1
	1454	22.3	6.8		1539	21.6	6.6
	2132	-3.3	-1.0		2201	-1.1	-0.3
6 F	0338	22.4	6.8	21 Sa	0401	22.3	6.8
	0950	-0.2	-0.1		1023	-0.3	-0.1
	1536	23.3	7.1		1615	21.5	6.6
	2210	-3.7	-1.1		2234	-0.6	-0.2
7 Sa	0411	23.3	7.1	22 Su	0431	22.2	6.8
	1032	-1.6	-0.5		1058	-0.5	-0.2
	1619	23.7	7.2		1652	21.1	6.4
	2250	-3.5	-1.1		2308	0.4	0.1
8 Su	0447	23.8	7.3	23 M	0500	21.7	6.6
	1114	-2.3	-0.7		1133	-0.4	-0.1
	1705	23.4	7.1		1730	20.2	6.2
	2331	-2.5	-0.8		2340	1.6	0.5
9 M	0527	23.8	7.3	24 Tu	0530	21.0	6.4
	1201	-2.4	-0.7		1209	0.2	0.1
	1753	22.4	6.8		1812	19.0	5.8
10 Tu	0014	-0.8	-0.2	25 W	0012	3.2	1.0
	0607	23.1	7.0		0559	19.9	6.1
	1249	-1.7	-0.5		1248	1.2	0.4
	1849	20.8	6.3		1857	17.6	5.4
11 W	0100	1.4	0.4	26 Th	0049	4.9	1.5
	0654	21.9	6.7		0628	18.6	5.7
	1345	-0.4	-0.1		1331	2.4	0.7
	1951	19.0	5.8		1955	16.1	4.9
12 Th	0155	3.9	1.2	27 F	0129	6.7	2.0
	0750	20.2	6.2		0700	17.3	5.3
	1448	1.0	0.3		1430	3.6	1.1
	2107	17.6	5.4		2107	14.9	4.5
13 F	0301	6.2	1.9	28 Sa	0230	8.3	2.5
	0903	18.7	5.7		0758	15.9	4.8
	1604	2.0	0.6		1541	4.3	1.3
	2230	17.0	5.2		2227	14.7	4.5
14 Sa	0424	7.4	2.3	29 Su	0358	9.1	2.8
	1025	17.9	5.5		0946	15.2	4.6
	1723	2.0	0.6		1701	4.1	1.2
	2349	17.5	5.3		2339	15.4	4.7
15 Su	0546	7.2	2.2	30 M	0523	8.5	2.6
	1146	18.1	5.5		1112	15.7	4.8
	1832	1.2	0.4		1808	3.0	0.9
				31 Tu	0032	16.7	5.1
					0627	6.8	2.1
					1217	17.1	5.2
					1859	1.5	0.5

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

Lat. 60° 41'N Long. 151° 24'W

Times and Heights of High and Low Waters

APRIL

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 W	0116	18.3	5.6	16 Th	0154	20.8	6.3
	0719	4.5	1.4		0812	1.8	0.5
	1308	18.9	5.8		1409	19.7	6.0
	1943	-0.1	0.0		2025	0.7	0.2
2 Th	0153	20.0	6.1	17 F	0228	21.3	6.5
	0804	2.1	0.6		0850	0.5	0.2
	1353	20.7	6.3		1446	20.3	6.2
	2025	-1.4	-0.4		2100	0.7	0.2
3 F	0228	21.7	6.6	18 Sa	0300	21.7	6.6
	0846	-0.3	-0.1		0923	-0.4	-0.1
	1436	22.3	6.8		1523	20.7	6.3
	2106	-2.3	-0.7		2135	1.0	0.3
4 Sa	0302	23.1	7.0	19 Su	0327	21.8	6.6
	0928	-2.2	-0.7		0958	-1.0	-0.3
	1519	23.4	7.1		1557	20.8	6.3
	2145	-2.6	-0.8		2207	1.5	0.5
5 Su	0339	24.1	7.3	20 M	0355	21.7	6.6
	1011	-3.6	-1.1		1033	-1.3	-0.4
	1604	23.8	7.3		1634	20.5	6.2
	2227	-2.2	-0.7		2239	2.2	0.7
6 M	0416	24.6	7.5	21 Tu	0423	21.4	6.5
	1054	-4.3	-1.3		1108	-1.2	-0.4
	1652	23.6	7.2		1711	20.0	6.1
	2308	-1.1	-0.3		2314	3.1	0.9
7 Tu	0455	24.3	7.4	22 W	0450	20.8	6.3
	1139	-4.1	-1.2		1143	-0.7	-0.2
	1740	22.6	6.9		1751	19.1	5.8
	2354	0.5	0.2		2348	4.2	1.3
8 W	0537	23.4	7.1	23 Th	0518	20.0	6.1
	1230	-3.1	-0.9		1220	0.1	0.0
	1836	21.2	6.5		1838	18.0	5.5
9 Th	0043	2.5	0.8	24 F	0025	5.5	1.7
	0625	21.9	6.7		0548	18.9	5.8
	1323	-1.5	-0.5		1300	1.1	0.3
	1939	19.6	6.0		1929	16.9	5.2
10 F	0139	4.7	1.4	25 Sa	0110	6.7	2.0
	0725	19.9	6.1		0625	17.7	5.4
	1426	0.4	0.1		1352	2.3	0.7
	2052	18.3	5.6		2033	16.0	4.9
11 Sa	0245	6.4	2.0	26 Su	0206	7.8	2.4
	0843	18.1	5.5		0718	16.4	5.0
	1538	1.8	0.5		1457	3.2	1.0
	2210	17.7	5.4		2144	15.8	4.8
12 Su	0407	7.2	2.2	27 M	0325	8.2	2.5
	1009	17.1	5.2		0901	15.4	4.7
	1654	2.4	0.7		1611	3.5	1.1
	2323	18.1	5.5		2248	16.3	5.0
13 M	0528	6.6	2.0	28 Tu	0446	7.4	2.3
	1129	17.3	5.3		1033	15.7	4.8
	1805	2.1	0.6		1720	3.0	0.9
					2346	17.5	5.3
14 Tu	0026	19.0	5.8	29 W	0552	5.7	1.7
	0637	5.1	1.6		1144	17.0	5.2
	1237	18.0	5.5		1818	2.1	0.6
	1903	1.5	0.5				
15 W	0116	19.9	6.1	30 Th	0031	19.0	5.8
	0730	3.3	1.0		0648	3.3	1.0
	1327	19.0	5.8		1239	18.7	5.7
	1946	1.0	0.3		1908	1.0	0.3

MAY

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 F	0111	20.6	6.3	16 Sa	0153	20.8	6.3
	0736	0.8	0.2		0825	0.3	0.1
	1330	20.4	6.2		1428	19.3	5.9
	1953	0.1	0.0		2031	3.1	0.9
2 Sa	0151	22.2	6.8	17 Su	0225	21.0	6.4
	0822	-1.6	-0.5		0901	-0.6	-0.2
	1417	21.9	6.7		1505	19.7	6.0
	2037	-0.4	-0.1		2106	3.3	1.0
3 Su	0228	23.6	7.2	18 M	0254	21.1	6.4
	0907	-3.5	-1.1		0936	-1.2	-0.4
	1503	23.0	7.0		1540	20.0	6.1
	2119	-0.5	-0.2		2141	3.6	1.1
4 M	0306	24.5	7.5	19 Tu	0323	21.1	6.4
	0950	-4.8	-1.5		1010	-1.5	-0.5
	1550	23.5	7.2		1617	20.0	6.1
	2203	-0.1	0.0		2216	4.0	1.2
5 Tu	0347	24.8	7.6	20 W	0351	21.0	6.4
	1035	-5.2	-1.6		1045	-1.6	-0.5
	1639	23.3	7.1		1655	19.7	6.0
	2248	0.7	0.2		2252	4.5	1.4
6 W	0429	24.4	7.4	21 Th	0421	20.6	6.3
	1122	-4.8	-1.5		1122	-1.3	-0.4
	1729	22.6	6.9		1737	19.3	5.9
	2335	2.0	0.6		2330	5.0	1.5
7 Th	0515	23.3	7.1	22 F	0450	20.1	6.1
	1212	-3.7	-1.1		1159	-0.8	-0.2
	1825	21.5	6.6		1819	18.7	5.7
8 F	0027	3.4	1.0	23 Sa	0009	5.6	1.7
	0607	21.7	6.6		0527	19.3	5.9
	1305	-2.0	-0.6		1241	-0.1	0.0
	1926	20.3	6.2		1908	18.0	5.5
9 Sa	0123	4.9	1.5	24 Su	0057	6.2	1.9
	0709	19.7	6.0		0609	18.3	5.6
	1403	-0.1	0.0		1328	0.9	0.3
	2033	19.3	5.9		2003	17.5	5.3
10 Su	0229	6.0	1.8	25 M	0152	6.6	2.0
	0824	17.9	5.5		0708	17.1	5.2
	1509	1.6	0.5		1422	1.8	0.5
	2141	18.8	5.7		2103	17.3	5.3
11 M	0343	6.4	2.0	26 Tu	0259	6.7	2.0
	0945	16.9	5.2		0835	16.3	5.0
	1616	2.7	0.8		1525	2.6	0.8
	2248	18.8	5.7		2202	17.7	5.4
12 Tu	0501	5.8	1.8	27 W	0409	6.0	1.8
	1103	16.7	5.1		1000	16.2	4.9
	1725	3.1	0.9		1630	3.0	0.9
	2346	19.3	5.9		2257	18.5	5.6
13 W	0609	4.5	1.4	28 Th	0518	4.4	1.3
	1209	17.2	5.2		1113	17.0	5.2
	1824	3.1	0.9		1733	2.9	0.9
					2346	19.7	6.0
14 Th	0035	19.8	6.0	29 F	0618	2.3	0.7
	0704	2.9	0.9		1213	18.4	5.6
	1303	17.9	5.5		1831	2.5	0.8
	1912	3.0	0.9				
15 F	0116	20.4	6.2	30 Sa	0032	21.1	6.4
	0748	1.5	0.5		0711	0.0	0.0
	1348	18.7	5.7		1309	19.8	6.0
	1953	3.0	0.9		1923	2.2	0.7
				31 Su	0116	22.5	6.9
					0800	-2.1	-0.6
					1401	21.2	6.5
					2012	1.9	0.6

JUNE

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 M	0157	23.6	7.2	16 Tu	0225	20.4	6.2
	0847	-3.8	-1.2		0914	-1.0	-0.3
	1449	22.2	6.8		1526	19.3	5.9
	2057	1.8	0.5		2118	5.2	1.6
2 Tu	0239	24.4	7.4	17 W	0257	20.6	6.3
	0934	-4.9	-1.5		0951	-1.5	-0.5
	1539	22.8	6.9		1603	19.6	6.0
	2145	1.9	0.6		2155	5.1	1.6
3 W	0324	24.5	7.5	18 Th	0329	20.7	6.3
	1019	-5.2	-1.6		1026	-1.8	-0.5
	1628	22.9	7.0		1640	19.7	6.0
	2231	2.2	0.7		2234	4.9	1.5
4 Th	0410	24.1	7.3	19 F	0401	20.7	6.3
	1106	-4.8	-1.5		1102	-1.9	-0.6
	1717	22.6	6.9		1719	19.7	6.0
	2321	2.8	0.9		2313	4.8	1.5
5 F	0459	23.1	7.0	20 Sa	0436	20.5	6.2
	1155	-3.8	-1.2		1140	-1.7	-0.5
	1809	21.9	6.7		1759	19.6	6.0
					2356	4.8	1.5
6 Sa	0012	3.5	1.1	21 Su	0516	20.0	6.1
	0551	21.6	6.6		1220	-1.2	-0.4
	1244	-2.2	-0.7		1843	19.4	5.9
	1905	21.1	6.4				
7 Su	0107	4.4	1.3	22 M	0041	4.8	1.5
	0653	19.9	6.1		0601	19.2	5.9
	1336	-0.4	-0.1		1302	-0.4	-0.1
	2003	20.3	6.2		1929	19.1	5.8
8 M	0206	5.1	1.6	23 Tu	0131	4.9	1.5
	0759	18.2	5.5		0700	18.2	5.5
	1432	1.4	0.4		1352	0.7	0.2
	2103	19.6	6.0		2020	19.0	5.8
9 Tu	0312	5.4	1.6	24 W	0230	4.8	1.5
	0912	16.9	5.2		0811	17.3	5.3
	1534	3.0	0.9		1445	2.0	0.6
	2203	19.3	5.9		2112	19.0	5.8
10 W	0421	5.2	1.6	25 Th	0338	4.4	1.3
	1025	16.3	5.0		0929	16.8	5.1
	1636	4.2	1.3		1548	3.1	0.9
	2300	19.2	5.9		2211	19.4	5.9
11 Th	0533	4.4	1.3	26 F	0446	3.3	1.0
	1133	16.4	5.0		1044	17.0	5.2
	1738	4.8	1.5		1653	4.0	1.2
	2352	19.3	5.9		2307	20.1	6.1
12 F	0631	3.1	0.9	27 Sa	0550	1.7	0.5
	1231	16.9	5.2		1154	17.9	5.5
	1834	5.2	1.6		1758	4.3	1.3
					2357	21.1	6.4
13 Sa	0037	19.6	6.0	28 Su	0649	-0.2	-0.1
	0719	1.9	0.6		1253	19.1	5.8
	1322	17.5	5.3		1858	4.2	1.3
	1922	5.3	1.6				
14 Su	0116	19.9	6.1	29 M	0047	22.1	6.7
	0801	0.7	0.2		0743	-2.0	-0.6
	1409	18.2	5.5		1348	20.4	6.2
	2002	5.3	1.6		1953	3.8	1.2
15 M	0151	20.1	6.1	30 Tu	0135	23.0	7.0
	0838	-0.2	-0.1		0833	-3.4	-1.0
	1447	18.8	5.7		1439	21.4	6.5
	2041	5.3	1.6		2041	3.4	1.0

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

NIKISHKA, ALASKA, 1981

Lat. 60° 41'N Long. 151° 24'W

Times and Heights of High and Low Waters

JULY

Oay	Time h.m.	Height ft.	Height m.	Oay	Time h.m.	Height ft.	Height m.
1 W	0223	23.7	7.2	16 Th	0236	20.2	6.2
	0919	-4.4	-1.3		0929	-1.5	-0.5
	1527	22.2	6.8		1545	19.6	6.0
	2131	3.0	0.9		2137	4.9	1.5
2 Th	0310	23.9	7.3	17 F	0310	20.8	6.3
	1005	-4.7	-1.4		1005	-2.1	-0.6
	1615	22.6	6.9		1618	20.1	6.1
	2218	2.7	0.8		2215	4.1	1.2
3 F	0357	23.7	7.2	18 Sa	0346	21.2	6.5
	1050	-4.4	-1.3		1042	-2.6	-0.8
	1701	22.6	6.9		1655	20.5	6.2
	2305	2.7	0.8		2255	3.5	1.1
4 Sa	0446	22.9	7.0	19 Su	0424	21.3	6.5
	1134	-3.6	-1.1		1119	-2.6	-0.8
	1748	22.3	6.8		1732	20.7	6.3
	2353	2.8	0.9		2335	2.9	0.9
5 Su	0535	21.8	6.6	20 M	0506	21.1	6.4
	1220	-2.2	-0.7		1159	-2.2	-0.7
	1836	21.8	6.6		1809	20.8	6.3
6 M	0044	3.3	1.0	21 Tu	0020	2.6	0.8
	0628	20.2	6.2		0555	20.4	6.2
	1305	-0.6	-0.2		1238	-1.3	-0.4
	1925	21.0	6.4		1851	20.6	6.3
7 Tu	0134	3.8	1.2	22 W	0107	2.6	0.8
	0729	18.6	5.7		0646	19.4	5.9
	1353	1.4	0.4		1323	0.1	0.0
	2016	20.1	6.1		1937	20.3	6.2
8 W	0233	4.4	1.3	23 Th	0203	2.7	0.8
	0832	17.1	5.2		0750	18.2	5.5
	1445	3.3	1.0		1413	1.9	0.6
	2112	19.3	5.9		2027	20.0	6.1
9 Th	0335	4.7	1.4	24 F	0306	2.8	0.9
	0942	16.0	4.9		0904	17.3	5.3
	1544	5.1	1.6		1514	3.8	1.2
	2207	18.6	5.7		2127	19.7	6.0
10 F	0444	4.5	1.4	25 Sa	0417	2.5	0.8
	1053	15.6	4.8		1023	17.0	5.2
	1649	6.4	2.0		1624	5.2	1.6
	2303	18.3	5.6		2232	19.8	6.0
11 Sa	0549	3.7	1.1	26 Su	0526	1.6	0.5
	1159	15.9	4.8		1138	17.4	5.3
	1752	7.1	2.2		1736	5.9	1.8
	2354	18.4	5.6		2333	20.3	6.2
12 Su	0647	2.6	0.8	27 M	0631	0.1	0.0
	1258	16.5	5.0		1242	18.5	5.6
	1847	7.2	2.2		1842	5.6	1.7
13 M	0042	18.6	5.7	28 Tu	0031	21.1	6.4
	0735	1.5	0.5		0730	-1.4	-0.4
	1348	17.4	5.3		1340	19.8	6.0
	1935	6.9	2.1		1938	4.9	1.5
14 Tu	0124	19.1	5.8	29 W	0127	22.0	6.7
	0817	0.4	0.1		0820	-2.7	-0.8
	1431	18.2	5.5		1429	21.0	6.4
	2018	6.4	2.0		2031	3.9	1.2
15 W	0201	19.6	6.0	30 Th	0215	22.8	6.9
	0854	-0.6	-0.2		0905	-3.5	-1.1
	1509	19.0	5.8		1515	21.9	6.7
	2057	5.7	1.7		2118	2.9	0.9
				31 F	0302	23.2	7.1
					0949	-3.9	-1.2
					1557	22.5	6.9
					2203	2.2	0.7

AUGUST

Oay	Time h.m.	Height ft.	Height m.	Oay	Time h.m.	Height ft.	Height m.
1 Sa	0346	23.2	7.1	16 Su	0332	21.9	6.7
	1030	-3.7	-1.1		1017	-3.0	-0.9
	1637	22.7	6.9		1623	21.5	6.6
	2246	1.7	0.5		2232	1.2	0.4
2 Su	0431	22.8	6.9	17 M	0412	22.3	6.8
	1111	-3.0	-0.9		1053	-3.0	-0.9
	1718	22.6	6.9		1657	22.0	6.7
	2330	1.6	0.5		2314	0.4	0.1
3 M	0516	21.9	6.7	18 Tu	0454	22.2	6.8
	1151	-1.8	-0.5		1130	-2.5	-0.8
	1759	22.1	6.7		1732	22.2	6.8
					2357	0.1	0.0
4 Tu	0015	1.8	0.5	19 W	0540	21.6	6.6
	0604	20.6	6.3		1212	-1.4	-0.4
	1232	-0.2	-0.1		1812	22.0	6.7
	1841	21.2	6.5				
5 W	0100	2.4	0.7	20 Th	0044	0.2	0.1
	0654	19.0	5.8		0633	20.4	6.2
	1313	1.7	0.5		1254	0.4	0.1
	1926	20.1	6.1		1854	21.3	6.5
6 Th	0150	3.3	1.0	21 F	0137	0.8	0.2
	0751	17.3	5.3		0734	18.9	5.8
	1358	3.8	1.2		1345	2.6	0.8
	2014	18.9	5.8		1945	20.4	6.2
7 F	0246	4.1	1.2	22 Sa	0239	1.5	0.5
	0858	15.9	4.8		0848	17.6	5.4
	1451	5.9	1.8		1448	4.8	1.5
	2109	17.8	5.4		2051	19.5	5.9
8 Sa	0354	4.6	1.4	23 Su	0351	2.0	0.6
	1010	15.1	4.6		1007	17.0	5.2
	1556	7.6	2.3		1602	6.4	2.0
	2211	17.0	5.2		2205	18.9	5.8
9 Su	0504	4.4	1.3	24 M	0507	1.7	0.5
	1125	15.1	4.6		1126	17.3	5.3
	1709	8.5	2.6		1721	6.9	2.1
	2315	16.9	5.2		2320	19.2	5.9
10 M	0613	3.5	1.1	25 Tu	0618	0.7	0.2
	1231	15.8	4.8		1237	18.4	5.6
	1816	8.4	2.6		1831	6.1	1.9
11 Tu	0010	17.3	5.3	26 W	0026	20.0	6.1
	0708	2.3	0.7		0716	-0.6	-0.2
	1324	16.9	5.2		1332	19.8	6.0
	1911	7.6	2.3		1930	4.8	1.5
12 W	0059	18.1	5.5	27 Th	0124	21.0	6.4
	0751	1.0	0.3		0807	-1.7	-0.5
	1409	18.0	5.5		1417	21.0	6.4
	1956	6.4	2.0		2020	3.3	1.0
13 Th	0143	19.1	5.8	28 F	0209	21.9	6.7
	0828	-0.3	-0.1		0849	-2.5	-0.8
	1445	19.0	5.8		1457	22.0	6.7
	2036	5.1	1.6		2105	2.0	0.6
14 F	0220	20.1	6.1	29 Sa	0255	22.6	6.9
	0906	-1.5	-0.5		0929	-2.8	-0.9
	1518	20.0	6.1		1534	22.6	6.9
	2116	3.7	1.1		2146	0.9	0.3
15 Sa	0255	21.1	6.4	30 Su	0335	22.8	6.9
	0941	-2.4	-0.7		1007	-2.6	-0.8
	1549	20.8	6.3		1610	22.8	6.9
	2153	2.4	0.7		2225	0.3	0.1
				31 M	0414	22.5	6.9
					1043	-1.9	-0.6
					1644	22.7	6.9
					2305	0.1	0.0

SEPTEMBER

Oay	Time h.m.	Height ft.	Height m.	Oay	Time h.m.	Height ft.	Height m.
1 Tu	0455	21.9	6.7	16 W	0439	23.1	7.0
	1120	-0.9	-0.3		1105	-1.9	-0.6
	1719	22.2	6.8		1655	23.5	7.2
	2343	0.4	0.1		2333	-2.3	-0.7
2 W	0537	20.8	6.3	17 Th	0524	22.4	6.8
	1156	0.6	0.2		1147	-0.5	-0.2
	1753	21.3	6.5		1735	23.0	7.0
3 Th	0025	1.1	0.3	18 F	0020	-1.8	-0.5
	0622	19.3	5.9		0617	21.1	6.4
	1233	2.5	0.8		1233	1.4	0.4
	1830	20.0	6.1		1820	22.0	6.7
4 F	0107	2.1	0.6	19 Sa	0115	-0.7	-0.2
	0713	17.7	5.4		0721	19.5	5.9
	1313	4.5	1.4		1325	3.7	1.1
	1912	18.6	5.7		1913	20.5	6.2
5 Sa	0158	3.3	1.0	20 Su	0215	0.6	0.2
	0815	16.1	4.9		0832	18.0	5.5
	1358	6.6	2.0		1430	5.8	1.8
	2000	17.1	5.2		2022	18.9	5.8
6 Su	0301	4.4	1.3	21 M	0329	1.7	0.5
	0933	15.0	4.6		0955	17.4	5.3
	1504	8.4	2.6		1549	7.1	2.2
	2109	15.9	4.8		2151	18.0	5.5
7 M	0417	4.8	1.5	22 Tu	0446	2.0	0.6
	1051	14.9	4.5		1115	17.8	5.4
	1627	9.2	2.8		1712	7.0	2.1
	2232	15.5	4.7		2315	18.2	5.5
8 Tu	0531	4.3	1.3	23 W	0600	1.4	0.4
	1200	15.6	4.8		1223	18.9	5.8
	1744	8.8	2.7		1823	5.7	1.7
	2341	16.1	4.9				
9 W	0631	3.1	0.9	24 Th	0023	19.1	5.8
	1255	16.7	5.1		0659	0.4	0.1
	1845	7.5	2.3		1314	20.1	6.1
					1919	3.9	1.2
10 Th	0037	17.2	5.2	25 F	0119	20.2	6.2
	0719	1.6	0.5		0748	-0.5	-0.2
	1338	18.0	5.5		1359	21.3	6.5
	1932	5.8	1.8		2007	2.2	0.7
11 F	0122	18.7	5.7	26 Sa	0204	21.2	6.5
	0801	0.1	0.0		0828	-1.0	-0.3
	1412	19.3	5.9		1433	22.1	6.7
	2012	3.8	1.2		2047	0.8	0.2
12 Sa	0201	20.2	6.2	27 Su	0244	21.8	6.6
	0837	-1.2	-0.4		0905	-1.1	-0.3
	1444	20.6	6.3		1505	22.6	6.9
	2052	1.9	0.6		2126	-0.2	-0.1
13 Su	0238	21.5	6.6	28 M	0319	22.1	6.7
	0914	-2.2	-0.7		0941	-0.9	-0.3
	1516	21.8	6.6		1538	22.8	6.9
	2129	0.2	0.1		2201	-0.8	-0.2
14 M	0318	22.6	6.9	29 Tu	0356	22.1	6.7
	0949	-2.7	-0.8		1016	-0.2	-0.1
	1547	22.7	6.9		1609	22.6	6.9
	2209	-1.2	-0.4		2238	-1.0	-0.3
15 Tu	0357	23.2	7.1	30 W	0433	21.6	6.6
	1026	-2.7	-0.8		1050	0.8	0.2
	1620	23.3	7.1		1637	22.1	6.7
	2249	-2.1	-0.6		2314	-0.7	-0.2

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

NIKISHKA, ALASKA, 1981

Lat. 60° 41'N Long. 151° 24'W

Times and Heights of High and Low Waters

OCTOBER

Day	Time h.m.	Height ft.	Height m.	Day	Time h.m.	Height ft.	Height m.
1 Th	0513	20.8	6.3	16 F	0514	22.9	7.0
	1124	2.1	0.6		1126	0.8	0.2
	1709	21.2	6.5		1706	23.8	7.3
	2351	0.0	0.0				
2 F	0555	19.6	6.0	17 Sa	0001	-3.3	-1.0
	1159	3.6	1.1		0607	21.7	6.6
	1740	20.1	6.1		1214	2.6	0.8
					1751	22.4	6.8
3 Sa	0032	1.1	0.3	18 Su	0054	-1.8	-0.5
	0644	18.1	5.5		0707	20.2	6.2
	1236	5.3	1.6		1310	4.5	1.4
	1809	18.7	5.7		1851	20.5	6.2
4 Su	0117	2.4	0.7	19 M	0155	0.0	0.0
	0742	16.6	5.1		0818	18.9	5.8
	1321	7.1	2.2		1416	6.2	1.9
	1846	17.1	5.2		2006	18.6	5.7
5 M	0213	3.7	1.1	20 Tu	0306	1.5	0.5
	0856	15.5	4.7		0938	18.3	5.6
	1422	8.6	2.6		1535	7.0	2.1
	1942	15.6	4.8		2136	17.5	5.3
6 Tu	0325	4.6	1.4	21 W	0420	2.3	0.7
	1011	15.2	4.6		1053	18.6	5.7
	1548	9.3	2.8		1656	6.6	2.0
	2139	14.8	4.5		2302	17.6	5.4
7 W	0440	4.6	1.4	22 Th	0533	2.3	0.7
	1121	15.8	4.8		1157	19.4	5.9
	1709	8.7	2.7		1808	5.0	1.5
	2305	15.3	4.7				
8 Th	0549	3.7	1.1	23 F	0010	18.4	5.6
	1218	16.9	5.2		0633	1.8	0.5
	1813	7.0	2.1		1248	20.5	6.2
					1904	3.1	0.9
9 F	0005	16.7	5.1	24 Sa	0106	19.4	5.9
	0640	2.3	0.7		0722	1.3	0.4
	1258	18.4	5.6		1330	21.4	6.5
	1903	4.8	1.5		1949	1.4	0.4
10 Sa	0055	18.4	5.6	25 Su	0149	20.3	6.2
	0724	1.0	0.3		0804	1.0	0.3
	1335	19.9	6.1		1405	22.0	6.7
	1946	2.5	0.8		2028	0.1	0.0
11 Su	0135	20.1	6.1	26 M	0228	20.9	6.4
	0804	-0.3	-0.1		0841	1.1	0.3
	1407	21.4	6.5		1436	22.4	6.8
	2026	0.2	0.1		2106	-0.8	-0.2
12 M	0217	21.7	6.6	27 Tu	0305	21.3	6.5
	0843	-1.1	-0.3		0916	1.4	0.4
	1438	22.8	6.9		1506	22.5	6.9
	2105	-1.8	-0.5		2140	-1.4	-0.4
13 Tu	0258	22.9	7.0	28 W	0340	21.4	6.5
	0921	-1.5	-0.5		0949	1.9	0.6
	1513	23.9	7.3		1534	22.3	6.8
	2147	-3.2	-1.0		2214	-1.5	-0.5
14 W	0339	23.6	7.2	29 Th	0416	21.2	6.5
	1001	-1.3	-0.4		1022	2.7	0.8
	1547	24.5	7.5		1603	21.9	6.7
	2229	-4.0	-1.2		2249	-1.3	-0.4
15 Th	0426	23.6	7.2	30 F	0455	20.6	6.3
	1042	-0.5	-0.2		1057	3.7	1.1
	1625	24.5	7.5		1632	21.2	6.5
	2313	-4.0	-1.2		2324	-0.7	-0.2
				31 Sa	0535	19.7	6.0
					1132	4.8	1.5
					1700	20.2	6.2

NOVEMBER

Day	Time h.m.	Height ft.	Height m.	Day	Time h.m.	Height ft.	Height m.
1 Su	0003	0.2	0.1	16 M	0036	-2.5	-0.8
	0620	18.6	5.7		0654	21.1	6.4
	1212	6.0	1.8		1257	4.6	1.4
	1729	19.0	5.8		1836	20.7	6.3
2 M	0044	1.3	0.4	17 Tu	0134	-0.6	-0.2
	0713	17.4	5.3		0758	20.0	6.1
	1257	7.2	2.2		1400	5.8	1.8
	1804	17.6	5.4		1950	18.7	5.7
3 Tu	0134	2.6	0.8	18 W	0237	1.2	0.4
	0816	16.4	5.0		0909	19.4	5.9
	1352	8.2	2.5		1512	6.3	1.9
	1854	16.2	4.9		2114	17.4	5.3
4 W	0237	3.7	1.1	19 Th	0346	2.6	0.8
	0926	16.1	4.9		1018	19.3	5.9
	1509	8.6	2.6		1630	5.9	1.8
	2043	15.1	4.6		2233	17.1	5.2
5 Th	0346	4.2	1.3	20 F	0455	3.4	1.0
	1033	16.5	5.0		1120	19.7	6.0
	1627	8.0	2.4		1741	4.6	1.4
	2219	15.2	4.6		2344	17.5	5.3
6 F	0456	4.0	1.2	21 Sa	0557	3.5	1.1
	1128	17.5	5.3		1213	20.4	6.2
	1736	6.3	1.9		1841	2.9	0.9
	2329	16.4	5.0				
7 Sa	0554	3.2	1.0	22 Su	0042	18.3	5.6
	1213	18.8	5.7		0650	3.5	1.1
	1829	4.0	1.2		1256	20.9	6.4
					1930	1.4	0.4
8 Su	0024	18.0	5.5	23 M	0132	19.1	5.8
	0645	2.2	0.7		0735	3.5	1.1
	1251	20.4	6.2		1333	21.4	6.5
	1916	1.5	0.5		2009	0.2	0.1
9 M	0111	19.8	6.0	24 Tu	0211	19.8	6.0
	0730	1.3	0.4		0815	3.6	1.1
	1328	22.0	6.7		1407	21.6	6.6
	2001	-0.9	-0.3		2046	-0.7	-0.2
10 Tu	0157	21.4	6.5	25 W	0250	20.3	6.2
	0812	0.7	0.2		0852	3.8	1.2
	1405	23.4	7.1		1438	21.7	6.6
	2044	-2.9	-0.9		2121	-1.3	-0.4
11 W	0242	22.7	6.9	26 Th	0325	20.6	6.3
	0854	0.4	0.1		0926	4.1	1.2
	1441	24.5	7.5		1507	21.7	6.6
	2126	-4.4	-1.3		2155	-1.6	-0.5
12 Th	0325	23.5	7.2	27 F	0403	20.6	6.3
	0938	0.5	0.2		1001	4.4	1.3
	1519	25.1	7.7		1535	21.5	6.6
	2211	-5.1	-1.6		2230	-1.5	-0.5
13 F	0412	23.6	7.2	28 Sa	0439	20.4	6.2
	1022	1.1	0.3		1037	4.9	1.5
	1601	25.0	7.6		1604	21.0	6.4
	2257	-5.0	-1.5		2305	-1.2	-0.4
14 Sa	0503	23.2	7.1	29 Su	0518	20.0	6.1
	1110	2.1	0.6		1114	5.4	1.6
	1645	24.1	7.3		1636	20.4	6.2
	2345	-4.1	-1.2		2343	-0.7	-0.2
15 Su	0555	22.3	6.8	30 M	0559	19.3	5.9
	1159	3.3	1.0		1153	5.9	1.8
	1736	22.6	6.9		1711	19.6	6.0

DECEMBER

Day	Time h.m.	Height ft.	Height m.	Day	Time h.m.	Height ft.	Height m.
1 Tu	0022	0.2	0.1	16 W	0109	-1.2	-0.4
	0646	18.6	5.7		0731	21.2	6.5
	1238	6.5	2.0		1337	4.5	1.4
	1748	18.5	5.6		1926	19.3	5.9
2 W	0105	1.2	0.4	17 Th	0203	0.9	0.3
	0737	17.9	5.5		0830	20.4	6.2
	1329	7.0	2.1		1442	5.1	1.6
	1841	17.2	5.2		2040	17.7	5.4
3 Th	0155	2.3	0.7	18 F	0303	2.8	0.9
	0835	17.5	5.3		0932	19.8	6.0
	1432	7.2	2.2		1551	5.1	1.6
	1958	16.1	4.9		2157	16.7	5.1
4 F	0255	3.3	1.0	19 Sa	0407	4.4	1.3
	0935	17.6	5.4		1031	19.6	6.0
	1544	6.7	2.0		1703	4.5	1.4
	2130	15.7	4.8		2309	16.6	5.1
5 Sa	0359	3.9	1.2	20 Su	0512	5.4	1.6
	1031	18.2	5.5		1128	19.6	6.0
	1653	5.4	1.6		1809	3.4	1.0
	2249	16.3	5.0				
6 Su	0505	4.1	1.2	21 M	0013	17.0	5.2
	1123	19.2	5.9		0613	5.8	1.8
	1754	3.4	1.0		1218	19.8	6.0
	2354	17.5	5.3		1903	2.1	0.6
7 M	0605	3.8	1.2	22 Tu	0109	17.8	5.4
	1210	20.6	6.3		0706	5.9	1.8
	1850	1.1	0.3		1303	20.1	6.1
					1946	0.9	0.3
8 Tu	0050	19.1	5.8	23 W	0156	18.6	5.7
	0658	3.3	1.0		0751	5.9	1.8
	1251	22.1	6.7		1340	20.4	6.2
	1938	-1.2	-0.4		2025	-0.1	0.0
9 W	0140	20.7	6.3	24 Th	0238	19.3	5.9
	0748	2.8	0.9		0831	5.7	1.7
	1335	23.4	7.1		1413	20.6	6.3
	2025	-3.2	-1.0		2103	-0.8	-0.2
10 Th	0228	22.1	6.7	25 F	0316	19.9	6.1
	0834	2.4	0.7		0908	5.5	1.7
	1416	24.5	7.5		1446	20.8	6.3
	2110	-4.6	-1.4		2138	-1.4	-0.4
11 F	0316	23.0	7.0	26 Sa	0352	20.2	6.2
	0921	2.2	0.7		0944	5.3	1.6
	1459	25.0	7.6		1518	21.0	6.4
	2156	-5.3	-1.6		2212	-1.7	-0.5
12 Sa	0402	23.4	7.1	27 Su	0427	20.4	6.2
	1008	2.3	0.7		1021	5.1	1.6
	1544	24.9	7.6		1551	21.0	6.4
	2242	-5.2	-1.6		2247	-1.8	-0.5
13 Su	0451	23.4	7.1	28 M	0503	20.4	6.2
	1055	2.5	0.8		1058	4.9	1.5
	1632	24.2	7.4		1623	20.8	6.3
	2329	-4.4	-1.3		2324	-1.6	-0.5
14 M	0543	22.9	7.0	29 Tu	0540	20.2	6.2
	1147	3.1	0.9		1137	4.8	1.5
	1724	22.9	7.0		1658	20.3	6.2
					2359	-1.1	-0.3
15 Tu	0017	-3.0	-0.9	30 W	0619	19.9	6.1
	0635	22.1	6.7		1220	4.8	1.5
	1238	3.8	1.2		1741	19.5	5.9
	1821	21.2	6.5				
				31 Th	0038	-0.3	-0.1
					0700	19.5	5.9
					1305	4.9	1.5
					1829	18.5	5.6

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

SELOOVIA, ALASKA, 1981

Lat. 59° 26'N Long. 151° 43'W

Times and Heights of High and Low Waters

JANUARY

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 Th	0335	6.0	1.8	16 F	0337	4.3	1.3
	0945	15.6	4.8		0953	17.9	5.5
	1641	2.8	0.9		1641	-0.7	-0.2
	2302	13.7	4.2		2310	15.7	4.8
2 F	0428	5.8	1.8	17 Sa	0442	3.9	1.2
	1033	16.4	5.0		1052	18.8	5.7
	1723	1.5	0.5		1734	-2.2	-0.7
	2350	14.8	4.5				
3 Sa	0516	5.3	1.6	18 Su	0008	17.0	5.2
	1115	17.3	5.3		0539	3.1	0.9
	1800	0.2	0.1		1147	19.6	6.0
					1824	-3.3	-1.0
4 Su	0032	15.9	4.8	19 M	0056	18.1	5.5
	0558	4.7	1.4		0630	2.3	0.7
	1155	18.2	5.5		1235	20.3	6.2
	1837	-1.0	-0.3		1908	-4.0	-1.2
5 M	0108	16.8	5.1	20 Tu	0138	19.0	5.8
	0637	4.0	1.2		0715	1.7	0.5
	1237	19.0	5.8		1321	20.5	6.2
	1911	-2.0	-0.6		1949	-4.1	-1.2
6 Tu	0143	17.6	5.4	21 W	0218	19.4	5.9
	0718	3.4	1.0		0759	1.4	0.4
	1315	19.6	6.0		1403	20.3	6.2
	1947	-2.7	-0.8		2027	-3.7	-1.1
7 W	0222	18.1	5.5	22 Th	0256	19.4	5.9
	0757	2.9	0.9		0841	1.4	0.4
	1355	19.9	6.1		1442	19.7	6.0
	2025	-3.0	-0.9		2105	-2.9	-0.9
8 Th	0257	18.4	5.6	23 F	0332	19.0	5.8
	0837	2.6	0.8		0921	1.8	0.5
	1435	19.7	6.0		1521	18.7	5.7
	2102	-2.9	-0.9		2141	-1.6	-0.5
9 F	0336	18.4	5.6	24 Sa	0408	18.4	5.6
	0920	2.5	0.8		1000	2.4	0.7
	1518	19.1	5.8		1603	17.3	5.3
	2143	-2.4	-0.7		2218	0.0	0.0
10 Sa	0416	18.2	5.5	25 Su	0443	17.5	5.3
	1006	2.6	0.8		1042	3.2	1.0
	1603	18.1	5.5		1643	15.8	4.8
	2226	-1.4	-0.4		2253	1.7	0.5
11 Su	0459	17.9	5.5	26 M	0520	16.6	5.1
	1058	2.7	0.8		1128	4.0	1.2
	1656	16.8	5.1		1728	14.2	4.3
	2312	0.0	0.0		2333	3.5	1.1
12 M	0546	17.5	5.3	27 Tu	0557	15.7	4.8
	1157	2.8	0.9		1221	4.7	1.4
	1757	15.4	4.7		1826	12.8	3.9
13 Tu	0006	1.6	0.5	28 W	0018	5.1	1.6
	0642	17.2	5.2		0644	15.0	4.6
	1305	2.7	0.8		1325	5.1	1.6
	1911	14.3	4.4		1941	11.8	3.6
14 W	0109	3.1	0.9	29 Th	0117	6.5	2.0
	0740	17.1	5.2		0738	14.5	4.4
	1419	2.0	0.6		1444	4.8	1.5
	2038	13.9	4.2		2110	11.7	3.6
15 Th	0222	4.0	1.2	30 F	0232	7.2	2.2
	0847	17.3	5.3		0842	14.5	4.4
	1535	0.8	0.2		1559	3.9	1.2
	2201	14.5	4.4		2233	12.5	3.8
				31 Sa	0348	7.1	2.2
					0948	15.1	4.6
					1654	2.5	0.8
					2331	13.8	4.2

FEBRUARY

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 Su	0447	6.4	2.0	16 M	0003	16.5	5.0
	1044	16.1	4.9		0534	3.6	1.1
	1737	0.9	0.3		1142	18.3	5.6
					1814	-2.1	-0.6
2 M	0014	15.2	4.6	17 Tu	0045	17.8	5.4
	0537	5.2	1.6		0624	2.4	0.7
	1135	17.4	5.3		1230	19.2	5.9
	1816	-0.6	-0.2		1856	-2.8	-0.9
3 Tu	0049	16.6	5.1	18 W	0124	18.7	5.7
	0621	3.9	1.2		0707	1.4	0.4
	1217	18.7	5.7		1312	19.7	6.0
	1854	-2.0	-0.6		1931	-3.0	-0.9
4 W	0126	17.8	5.4	19 Th	0158	19.3	5.9
	0701	2.7	0.8		0745	0.7	0.2
	1259	19.8	6.0		1350	19.9	6.1
	1930	-3.1	-0.9		2007	-2.8	-0.9
5 Th	0159	18.9	5.8	20 F	0228	19.5	5.9
	0741	1.5	0.5		0821	0.4	0.1
	1341	20.5	6.2		1426	19.6	6.0
	2007	-3.7	-1.1		2039	-2.1	-0.6
6 F	0235	19.6	6.0	21 Sa	0259	19.4	5.9
	0822	0.6	0.2		0857	0.5	0.2
	1424	20.7	6.3		1502	19.0	5.8
	2044	-3.7	-1.1		2110	-1.1	-0.3
7 Sa	0310	20.0	6.1	22 Su	0329	19.0	5.8
	0905	0.1	0.0		0931	0.9	0.3
	1508	20.3	6.2		1539	17.9	5.5
	2123	-3.1	-0.9		2142	0.3	0.1
8 Su	0349	20.0	6.1	23 M	0358	18.3	5.6
	0947	-0.1	0.0		1006	1.6	0.5
	1554	19.3	5.9		1614	16.6	5.1
	2206	-1.8	-0.5		2214	1.8	0.5
9 M	0427	19.6	6.0	24 Tu	0429	17.3	5.3
	1037	0.2	0.1		1043	2.5	0.8
	1643	17.8	5.4		1656	15.0	4.6
	2248	-0.1	0.0		2250	3.5	1.1
10 Tu	0512	18.9	5.8	25 W	0501	16.3	5.0
	1132	0.7	0.2		1125	3.5	1.1
	1743	16.0	4.9		1741	13.5	4.1
	2340	1.9	0.6		2328	5.2	1.6
11 W	0602	17.9	5.5	26 Th	0538	15.2	4.6
	1234	1.4	0.4		1218	4.4	1.3
	1853	14.4	4.4		1845	12.1	3.7
12 Th	0039	3.8	1.2	27 F	0018	6.8	2.1
	0703	17.0	5.2		0629	14.3	4.4
	1352	1.6	0.5		1328	4.9	1.5
	2019	13.6	4.1		2014	11.5	3.5
13 F	0156	5.1	1.6	28 Sa	0134	7.8	2.4
	0815	16.4	5.0		0742	13.8	4.2
	1516	1.2	0.4		1500	4.5	1.4
	2152	13.9	4.2		2156	12.0	3.7
14 Sa	0319	5.4	1.6				
	0935	16.6	5.1				
	1630	0.2	0.1				
	2307	15.1	4.6				
15 Su	0436	4.7	1.4				
	1044	17.3	5.3				
	1727	-1.1	-0.3				

MARCH

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 Su	0306	7.8	2.4	16 M	0433	4.7	1.4
	0903	14.0	4.3		1041	16.0	4.9
	1617	3.3	1.0		1713	0.1	0.0
	2302	13.3	4.1		2345	16.4	5.0
2 M	0420	6.7	2.0	17 Tu	0529	3.3	1.0
	1017	15.1	4.6		1137	17.1	5.2
	1708	1.6	0.5		1759	-0.8	-0.2
	2347	15.0	4.6				
3 Tu	0515	5.1	1.6	18 W	0024	17.6	5.4
	1113	16.7	5.1		0614	1.9	0.6
	1750	-0.2	-0.1		1222	18.1	5.5
					1834	-1.3	-0.4
4 W	0022	16.7	5.1	19 Th	0059	18.5	5.6
	0601	3.2	1.0		0651	0.7	0.2
	1201	18.5	5.6		1302	18.8	5.7
	1827	-1.8	-0.5		1909	-1.5	-0.5
5 Th	0055	18.3	5.6	20 F	0128	19.1	5.8
	0640	1.3	0.4		0725	-0.1	0.0
	1245	20.0	6.1		1334	19.2	5.9
	1906	-3.0	-0.9		1939	-1.4	-0.4
6 F	0130	19.7	6.0	21 Sa	0156	19.5	5.9
	0722	-0.4	-0.1		0757	-0.6	-0.2
	1329	21.0	6.4		1408	19.2	5.9
	1942	-3.6	-1.1		2011	-0.9	-0.3
7 Sa	0206	20.8	6.3	22 Su	0222	19.5	5.9
	0803	-1.7	-0.5		0829	-0.7	-0.2
	1411	21.4	6.5		1441	18.8	5.7
	2021	-3.6	-1.1		2040	-0.1	0.0
8 Su	0241	21.3	6.5	23 M	0249	19.2	5.9
	0845	-2.5	-0.8		0901	-0.4	-0.1
	1456	21.0	6.4		1515	18.0	5.5
	2102	-2.9	-0.9		2110	1.1	0.3
9 M	0318	21.3	6.5	24 Tu	0318	18.6	5.7
	0929	-2.6	-0.8		0934	0.2	0.1
	1542	20.0	6.1		1550	16.9	5.2
	2144	-1.5	-0.5		2142	2.4	0.7
10 Tu	0358	20.7	6.3	25 W	0347	17.7	5.4
	1016	-2.0	-0.6		1008	1.1	0.3
	1632	18.4	5.6		1627	15.5	4.7
	2227	0.4	0.1		2216	3.9	1.2
11 W	0443	19.5	5.9	26 Th	0416	16.6	5.1
	1109	-1.0	-0.3		1043	2.1	0.6
	1730	16.4	5.0		1712	14.0	4.3
	2319	2.5	0.8		2253	5.4	1.6
12 Th	0533	18.0	5.5	27 F	0451	15.4	4.7
	1209	0.4	0.1		1130	3.2	1.0
	1838	14.7	4.5		1812	12.6	3.8
					2341	6.8	2.1
13 F	0021	4.5	1.4	28 Sa	0537	14.2	4.3
	0634	16.4	5.0		1231	4.1	1.2
	1327	1.4	0.4		1930	11.8	3.6
	2007	13.7	4.2				
14 Sa	0142	5.8	1.8	29 Su	0055	7.7	2.3
	0755	15.3	4.7		0653	13.4	4.1
	1455	1.7	0.5		1358	4.3	1.3
	2143	13.9	4.2		2108	12.1	3.7
15 Su	0314	5.8	1.8	30 M	0231	7.7	2.3
	0922	15.2	4.6		0822	13.4	4.1
	1615	1.0	0.3		1527	3.4	1.0
	2253	15.1	4.6		2217	13.4	4.1
				31 Tu	0351	6.3	1.9
					0945	14.4	4.4
					1627	1.9	0.6
					2305	15.1	4.6

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

SELOOVIA, ALASKA, 1981

Lat. 59° 26'N Long. 151° 43'W

Times and Heights of High and Low Waters

APRIL

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 W	0449	4.3	1.3	16 Th	0555	1.3	0.4
	1049	16.1	4.9		1204	16.8	5.1
	1715	0.3	0.1		1808	0.4	0.1
	2342	17.0	5.2				
2 Th	0534	2.0	0.6	17 F	0023	18.0	5.5
	1139	18.0	5.5		0627	0.2	0.1
	1755	-1.2	-0.4		1240	17.5	5.3
					1837	0.3	0.1
3 F	0019	18.8	5.7	18 Sa	0052	18.7	5.7
	0617	-0.3	-0.1		0700	-0.7	-0.2
	1227	19.7	6.0		1314	18.1	5.5
	1837	-2.3	-0.7		1909	0.3	0.1
4 Sa	0055	20.4	6.2	19 Su	0118	19.1	5.8
	0700	-2.4	-0.7		0732	-1.3	-0.4
	1312	20.8	6.3		1348	18.3	5.6
	1917	-2.9	-0.9		1941	0.7	0.2
5 Su	0131	21.6	6.6	20 M	0145	19.2	5.9
	0742	-3.9	-1.2		0803	-1.5	-0.5
	1357	21.3	6.5		1422	18.1	5.5
	1958	-2.7	-0.8		2010	1.2	0.4
6 M	0210	22.1	6.7	21 Tu	0214	19.0	5.8
	0826	-4.6	-1.4		0833	-1.4	-0.4
	1444	21.0	6.4		1457	17.6	5.4
	2040	-1.9	-0.6		2044	2.1	0.6
7 Tu	0249	21.9	6.7	22 W	0243	18.5	5.6
	0910	-4.5	-1.4		0905	-0.9	-0.3
	1531	20.0	6.1		1533	16.7	5.1
	2123	-0.6	-0.2		2116	3.1	0.9
8 W	0331	21.0	6.4	23 Th	0313	17.7	5.4
	0958	-3.6	-1.1		0939	-0.1	0.0
	1621	18.4	5.6		1611	15.6	4.8
	2211	1.2	0.4		2152	4.3	1.3
9 Th	0416	19.5	5.9	24 F	0347	16.6	5.1
	1051	-2.1	-0.6		1019	0.8	0.2
	1720	16.6	5.1		1656	14.4	4.4
	2303	3.1	0.9		2232	5.5	1.7
10 F	0509	17.6	5.4	25 Sa	0423	15.5	4.7
	1149	-0.4	-0.1		1101	1.9	0.6
	1829	15.0	4.6		1749	13.3	4.1
					2323	6.5	2.0
11 Sa	0007	4.8	1.5	26 Su	0512	14.3	4.4
	0613	15.7	4.8		1157	2.8	0.9
	1303	1.1	0.3		1858	12.7	3.9
	1951	14.1	4.3				
12 Su	0131	5.7	1.7	27 M	0033	7.1	2.2
	0737	14.4	4.4		0621	13.4	4.1
	1431	1.9	0.6		1311	3.2	1.0
	2118	14.3	4.4		2015	12.9	3.9
13 M	0306	5.4	1.6	28 Tu	0157	6.8	2.1
	0909	14.1	4.3		0747	13.2	4.0
	1549	1.7	0.5		1431	2.9	0.9
	2228	15.2	4.6		2122	14.0	4.3
14 Tu	0420	4.2	1.3	29 W	0316	5.3	1.6
	1027	14.8	4.5		0911	14.0	4.3
	1646	1.2	0.4		1538	2.0	0.6
	2315	16.2	4.9		2215	15.5	4.7
15 W	0513	2.7	0.8	30 Th	0418	3.1	0.9
	1123	15.8	4.8		1020	15.5	4.7
	1731	0.7	0.2		1634	0.8	0.2
	2353	17.2	5.2		2300	17.4	5.3

MAY

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 F	0507	0.6	0.2	16 Sa	0603	0.1	0.0
	1115	17.2	5.2		1219	16.1	4.9
	1721	-0.3	-0.1		1805	2.1	0.6
	2339	19.2	5.9				
2 Sa	0553	-1.8	-0.5	17 Su	0011	17.9	5.5
	1208	18.8	5.7		0635	-0.8	-0.2
	1808	-1.1	-0.3		1256	16.8	5.1
					1837	2.1	0.6
3 Su	0020	20.7	6.3	18 M	0040	18.4	5.6
	0638	-3.9	-1.2		0707	-1.5	-0.5
	1257	20.0	6.1		1329	17.2	5.2
	1851	-1.5	-0.5		1912	2.2	0.7
4 M	0101	21.8	6.6	19 Tu	0111	18.7	5.7
	0723	-5.3	-1.6		0739	-1.9	-0.6
	1344	20.5	6.2		1404	17.3	5.3
	1935	-1.4	-0.4		1945	2.5	0.8
5 Tu	0142	22.1	6.7	20 W	0142	18.7	5.7
	0807	-5.9	-1.8		0812	-1.9	-0.6
	1431	20.4	6.2		1440	17.1	5.2
	2020	-0.7	-0.2		2020	2.9	0.9
6 W	0225	21.8	6.6	21 Th	0214	18.3	5.6
	0854	-5.6	-1.7		0846	-1.6	-0.5
	1521	19.6	6.0		1518	16.5	5.0
	2107	0.3	0.1		2057	3.6	1.1
7 Th	0310	20.7	6.3	22 F	0249	17.7	5.4
	0942	-4.5	-1.4		0921	-1.1	-0.3
	1614	18.3	5.6		1558	15.8	4.8
	2155	1.7	0.5		2136	4.3	1.3
8 F	0358	19.1	5.8	23 Sa	0326	16.8	5.1
	1032	-2.8	-0.9		0958	-0.4	-0.1
	1709	16.9	5.2		1642	15.0	4.6
	2251	3.2	1.0		2216	5.1	1.6
9 Sa	0453	17.1	5.2	24 Su	0407	15.8	4.8
	1130	-1.0	-0.3		1043	0.5	0.2
	1813	15.6	4.8		1731	14.3	4.4
	2356	4.5	1.4		2309	5.7	1.7
10 Su	0556	15.2	4.6	25 M	0456	14.7	4.5
	1234	0.7	0.2		1136	1.3	0.4
	1923	14.8	4.5		1829	14.0	4.3
11 M	0114	5.2	1.6	26 Tu	0012	5.9	1.8
	0714	13.8	4.2		0601	13.8	4.2
	1351	1.9	0.6		1236	2.0	0.6
	2039	14.7	4.5		1929	14.2	4.3
12 Tu	0242	4.8	1.5	27 W	0126	5.4	1.6
	0839	13.3	4.1		0719	13.4	4.1
	1506	2.4	0.7		1345	2.3	0.7
	2143	15.1	4.6		2031	15.0	4.6
13 W	0353	3.8	1.2	28 Th	0240	4.0	1.2
	0956	13.7	4.2		0839	13.7	4.2
	1605	2.4	0.7		1452	2.1	0.6
	2230	15.8	4.8		2127	16.2	4.9
14 Th	0446	2.5	0.8	29 F	0346	1.9	0.6
	1054	14.4	4.4		0953	14.8	4.5
	1650	2.3	0.7		1553	1.6	0.5
	2310	16.6	5.1		2217	17.7	5.4
15 F	0529	1.2	0.4	30 Sa	0441	-0.4	-0.1
	1139	15.3	4.7		1055	16.3	5.0
	1729	2.2	0.7		1650	1.0	0.3
	2342	17.3	5.3		2305	19.2	5.9
				31 Su	0532	-2.6	-0.8
					1152	17.7	5.4
					1739	0.4	0.1
					2350	20.5	6.2

JUNE

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 M	0619	-4.5	-1.4	16 Tu	0008	17.7	5.4
	1245	18.8	5.7		0645	-1.2	-0.4
	1828	0.1	0.0		1314	16.3	5.0
					1846	3.4	1.0
2 Tu	0035	21.4	6.5	17 W	0043	18.2	5.5
	0707	-5.7	-1.7		0720	-1.8	-0.5
	1334	19.5	5.9		1349	16.8	5.1
	1917	0.0	0.0		1925	3.3	1.0
3 W	0121	21.7	6.6	18 Th	0120	18.5	5.6
	0753	-6.1	-1.9		0752	-2.1	-0.6
	1422	19.6	6.0		1427	16.9	5.2
	2003	0.3	0.1		2001	3.3	1.0
4 Th	0207	21.3	6.5	19 F	0156	18.4	5.6
	0839	-5.7	-1.7		0829	-2.2	-0.7
	1510	19.2	5.9		1505	16.8	5.1
	2051	0.9	0.3		2040	3.5	1.1
5 F	0254	20.3	6.2	20 Sa	0234	18.1	5.5
	0926	-4.7	-1.4		0905	-1.9	-0.6
	1600	18.4	5.6		1544	16.6	5.1
	2142	1.8	0.5		2120	3.7	1.1
6 Sa	0342	18.8	5.7	21 Su	0313	17.5	5.3
	1016	-3.1	-0.9		0942	-1.4	-0.4
	1653	17.4	5.3		1624	16.2	4.9
	2235	2.9	0.9		2205	4.0	1.2
7 Su	0435	17.0	5.2	22 M	0355	16.6	5.1
	1106	-1.3	-0.4		1024	-0.7	-0.2
	1746	16.3	5.0		1706	15.9	4.8
	2336	3.9	1.2		2253	4.2	1.3
8 M	0533	15.2	4.6	23 Tu	0445	15.6	4.8
	1202	0.5	0.2		1112	0.2	0.1
	1844	15.5	4.7		1754	15.7	4.8
					2349	4.2	1.3
9 Tu	0044	4.5	1.4	24 W	0544	14.6	4.5
	0639	13.7	4.2		1205	1.2	0.4
	1303	2.0	0.6		1847	15.7	4.8
	1946	15.1	4.6				
10 W	0159	4.5	1.4	25 Th	0055	3.8	1.2
	0755	12.8	3.9		0655	13.9	4.2
	1407	3.2	1.0		1306	2.1	0.6
	2042	15.0	4.6		1943	16.1	4.9
11 Th	0314	3.8	1.2	26 F	0208	2.8	0.9
	0914	12.7	3.9		0812	13.7	4.2
	1509	3.8	1.2		1413	2.7	0.8
	2137	15.3	4.7		2040	16.8	5.1
12 F	0409	2.8	0.9	27 Sa	0317	1.2	0.4
	1020	13.2	4.0		0930	14.3	4.4
	1602	4.1	1.2		1519	2.8	0.9
	2218	15.8	4.8		2139	17.8	5.4
13 Sa	0455	1.7	0.5	28 Su	0418	-0.7	-0.2
	1113	13.9	4.2		1041	15.4	4.7
	1647	4.1	1.2		1622	2.5	0.8
	2257	16.4	5.0		2233	18.9	5.8
14 Su	0534	0.6	0.2	29 M	0515	-2.5	-0.8
	1158	14.8	4.5		1139	16.7	5.1
	1731	3.9	1.2		1718	2.0	0.6
	2331	17.1	5.2		2329	20.0	6.1
15 M	0609	-0.4	-0.1	30 Tu	0606	-4.1	-1.2
	1237	15.7	4.8		1235	17.9	5.5
	1808	3.7	1.1		1812	1.4	0.4

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

SELOOVIA, ALASKA, 1981

Lat. 59° 26'N Long. 151° 43'W

Times and Heights of High and Low Waters

JULY

Day	Time	Height ft.	Height m.
1 W	0019	20.7	6.3
	0653	-5.1	-1.6
	1325	18.8	5.7
	1901	1.0	0.3
2 Th	0107	21.1	6.4
	0741	-5.5	-1.7
	1411	19.2	5.9
	1951	0.8	0.2
3 F	0155	20.9	6.4
	0825	-5.2	-1.6
	1457	19.2	5.9
	2038	1.0	0.3
4 Sa	0241	20.2	6.2
	0910	-4.3	-1.3
	1542	18.8	5.7
	2125	1.5	0.5
5 Su	0328	19.0	5.8
	0952	-2.9	-0.9
	1624	18.1	5.5
	2214	2.2	0.7
6 M	0415	17.4	5.3
	1037	-1.2	-0.4
	1711	17.2	5.2
	2304	3.1	0.9
7 Tu	0504	15.7	4.8
	1122	0.6	0.2
	1757	16.3	5.0
8 W	0002	3.8	1.2
	0602	14.1	4.3
	1210	2.4	0.7
	1844	15.5	4.7
9 Th	0106	4.3	1.3
	0705	12.9	3.9
	1306	4.0	1.2
	1934	15.0	4.6
10 F	0215	4.3	1.3
	0820	12.2	3.7
	1406	5.2	1.6
	2029	14.8	4.5
11 Sa	0324	3.7	1.1
	0935	12.3	3.7
	1509	5.8	1.8
	2124	15.0	4.6
12 Su	0420	2.8	0.9
	1044	13.0	4.0
	1609	5.8	1.8
	2212	15.6	4.8
13 M	0507	1.7	0.5
	1134	14.0	4.3
	1657	5.4	1.6
	2257	16.3	5.0
14 Tu	0547	0.6	0.2
	1216	15.0	4.6
	1745	4.8	1.5
	2342	17.2	5.2
15 W	0624	-0.5	-0.2
	1255	16.0	4.9
	1824	4.2	1.3
16 Th	0023	18.0	5.5
	0659	-1.4	-0.4
	1333	16.8	5.1
	1904	3.5	1.1
17 F	0101	18.7	5.7
	0736	-2.1	-0.6
	1409	17.4	5.3
	1943	3.0	0.9
18 Sa	0140	19.1	5.8
	0809	-2.5	-0.8
	1444	17.8	5.4
	2022	2.6	0.8
19 Su	0219	19.1	5.8
	0846	-2.5	-0.8
	1518	18.0	5.5
	2102	2.4	0.7
20 M	0301	18.7	5.7
	0923	-2.2	-0.7
	1555	17.9	5.5
	2145	2.3	0.7
21 Tu	0344	18.0	5.5
	1003	-1.4	-0.4
	1635	17.7	5.4
	2232	2.3	0.7
22 W	0432	16.9	5.2
	1047	-0.2	-0.1
	1717	17.5	5.3
	2324	2.4	0.7
23 Th	0528	15.7	4.8
	1136	1.2	0.4
	1805	17.2	5.2
24 F	0026	2.4	0.7
	0634	14.5	4.4
	1234	2.7	0.8
	1902	16.9	5.2
25 Sa	0136	2.1	0.6
	0751	13.9	4.2
	1341	3.8	1.2
	2004	17.0	5.2
26 Su	0252	1.2	0.4
	0916	14.0	4.3
	1455	4.3	1.3
	2111	17.4	5.3
27 M	0401	-0.2	-0.1
	1033	15.0	4.6
	1605	4.0	1.2
	2217	18.2	5.5
28 Tu	0502	-1.7	-0.5
	1135	16.3	5.0
	1708	3.2	1.0
	2315	19.2	5.9
29 W	0555	-3.0	-0.9
	1228	17.7	5.4
	1803	2.3	0.7
30 Th	0009	20.1	6.1
	0643	-3.9	-1.2
	1313	18.7	5.7
	1853	1.4	0.4
31 F	0058	20.6	6.3
	0727	-4.3	-1.3
	1355	19.4	5.9
	1937	0.8	0.2

AUGUST

Day	Time	Height ft.	Height m.
1 Sa	0144	20.7	6.3
	0809	-4.1	-1.2
	1436	19.6	6.0
	2022	0.6	0.2
2 Su	0227	20.3	6.2
	0846	-3.4	-1.0
	1513	19.4	5.9
	2104	0.8	0.2
3 M	0309	19.4	5.9
	0926	-2.1	-0.6
	1550	18.9	5.8
	2146	1.4	0.4
4 Tu	0350	18.0	5.5
	1003	-0.5	-0.2
	1627	18.0	5.5
	2229	2.2	0.7
5 W	0435	16.5	5.0
	1040	1.3	0.4
	1704	17.1	5.2
	2314	3.2	1.0
6 Th	0520	14.9	4.5
	1120	3.2	1.0
	1741	16.0	4.9
7 F	0004	4.0	1.2
	0613	13.4	4.1
	1205	4.9	1.5
	1826	15.1	4.6
8 Sa	0105	4.7	1.4
	0724	12.3	3.7
	1304	6.4	2.0
	1919	14.5	4.4
9 Su	0221	4.7	1.4
	0850	12.0	3.7
	1416	7.2	2.2
	2025	14.3	4.4
10 M	0337	4.1	1.2
	1015	12.6	3.8
	1532	7.2	2.2
	2132	14.7	4.5
11 Tu	0438	3.0	0.9
	1115	13.7	4.2
	1634	6.6	2.0
	2230	15.6	4.8
12 W	0523	1.7	0.5
	1158	15.0	4.6
	1723	5.5	1.7
	2318	16.8	5.1
13 Th	0600	0.3	0.1
	1235	16.3	5.0
	1806	4.3	1.3
14 F	0004	18.1	5.5
	0637	-1.0	-0.3
	1307	17.4	5.3
	1845	3.0	0.9
15 Sa	0045	19.2	5.9
	0712	-2.0	-0.6
	1339	18.5	5.6
	1923	1.9	0.6
16 Su	0125	20.0	6.1
	0748	-2.6	-0.8
	1414	19.2	5.9
	2003	1.0	0.3
17 M	0206	20.3	6.2
	0822	-2.7	-0.8
	1448	19.7	6.0
	2041	0.4	0.1
18 Tu	0246	20.1	6.1
	0859	-2.3	-0.7
	1523	19.8	6.0
	2123	0.1	0.0
19 W	0331	19.4	5.9
	0939	-1.3	-0.4
	1600	19.6	6.0
	2208	0.2	0.1
20 Th	0419	18.2	5.5
	1021	0.2	0.1
	1643	19.0	5.8
	2259	0.7	0.2
21 F	0512	16.6	5.1
	1111	2.0	0.6
	1730	18.2	5.5
	2358	1.3	0.4
22 Sa	0618	15.1	4.6
	1207	3.8	1.2
	1826	17.3	5.3
23 Su	0110	1.7	0.5
	0739	14.1	4.3
	1319	5.1	1.6
	1937	16.6	5.1
24 M	0233	1.6	0.5
	0909	14.2	4.3
	1442	5.6	1.7
	2055	16.6	5.1
25 Tu	0351	0.7	0.2
	1028	15.2	4.6
	1601	4.9	1.5
	2209	17.4	5.3
26 W	0454	-0.6	-0.2
	1129	16.6	5.1
	1705	3.7	1.1
	2315	18.4	5.6
27 Th	0545	-1.7	-0.5
	1216	18.0	5.5
	1758	2.3	0.7
28 F	0004	19.5	5.9
	0630	-2.5	-0.8
	1257	19.1	5.8
	1843	1.1	0.3
29 Sa	0049	20.2	6.2
	0710	-2.8	-0.9
	1333	19.8	6.0
	1922	0.3	0.1
30 Su	0130	20.5	6.2
	0747	-2.7	-0.8
	1407	20.1	6.1
	2001	-0.1	0.0
31 M	0210	20.3	6.2
	0820	-2.0	-0.6
	1438	20.0	6.1
	2038	0.0	0.0

SEPTEMBER

Day	Time	Height ft.	Height m.
1 Tu	0246	19.6	6.0
	0854	-0.9	-0.3
	1510	19.6	6.0
	2114	0.5	0.2
2 W	0325	18.6	5.7
	0929	0.6	0.2
	1539	18.8	5.7
	2149	1.3	0.4
3 Th	0403	17.2	5.2
	1002	2.2	0.7
	1611	17.7	5.4
	2227	2.3	0.7
4 F	0443	15.6	4.8
	1037	4.0	1.2
	1645	16.6	5.1
	2309	3.4	1.0
5 Sa	0533	14.1	4.3
	1117	5.8	1.8
	1725	15.4	4.7
6 Su	0002	4.5	1.4
	0635	12.7	3.9
	1210	7.3	2.2
	1817	14.3	4.4
7 M	0114	5.2	1.6
	0804	12.1	3.7
	1327	8.2	2.5
	1926	13.7	4.2
8 Tu	0247	5.1	1.6
	0941	12.6	3.8
	1500	8.2	2.5
	2050	13.9	4.2
9 W	0401	4.0	1.2
	1046	13.8	4.2
	1609	7.1	2.2
	2201	15.0	4.6
10 Th	0452	2.6	0.8
	1128	15.3	4.7
	1702	5.5	1.7
	2257	16.5	5.0
11 F	0532	1.0	0.3
	1203	16.8	5.1
	1742	3.8	1.2
	2342	18.1	5.5
12 Sa	0609	-0.4	-0.1
	1235	18.3	5.6
	1824	2.0	0.6
13 Su	0027	19.6	6.0
	0643	-1.5	-0.5
	1307	19.7	6.0
	1901	0.3	0.1
14 M	0109	20.7	6.3
	0720	-2.2	-0.7
	1339	20.7	6.3
	1941	-1.0	-0.3
15 Tu	0148	21.2	6.5
	0757	-2.3	-0.7
	1414	21.3	6.5
	2020	-1.9	-0.6
16 W	0232	21.1	6.4
	0835	-1.7	-0.5
	1449	21.5	6.6
	2102	-2.1	-0.6
17 Th	0316	20.3	6.2
	0915	-0.6	-0.2
	1528	21.0	6.4
	2147	-1.8	-0.5
18 F	0406	19.0	5.8
	1000	1.1	0.3
	1611	20.0	6.1
	2237	-0.9	-0.3
19 Sa	0459	17.3	5.3
	1048	3.0	0.9
	1659	18.6	5.7
	2336	0.4	0.1
20 Su	0607	15.6	4.8
	1149	4.8	1.5
	1759	17.1	5.2
21 M	0047	1.5	0.5
	0730	14.6	4.5
	1306	6.1	1.9
	1919	15.9	4.8
22 Tu	0215	1.9	0.6
	0903	14.7	4.5
	1440	6.1	1.9
	2048	15.7	4.8
23 W	0337	1.4	0.4
	1018	15.7	4.8
	1601	5.0	1.5
	2209	16.5	5.0
24 Th	0441	0.5	0.2
	1115	17.1	5.2
	1702	3.4	1.0
	2310	17.7	5.4
25 F	0529	-0.4	-0.1
	1158	18.4	5.6
	1747	1.8	0.5
	2358	18.8	5.7
26 Sa	0611	-0.9	-0.3
	1232	19.4	5.9
	1827	0.5	0.2
27 Su	0037	19.5	5.9
	0646	-1.1	-0.3
	1304	20.0	6.1
	1904	-0.3	-0.1
28 M	0116	19.9	6.1
	0718	-0.9	-0.3
	1333	20.4	6.2
	1937	-0.8	-0.2
29 Tu	0151	19.9	6.1
	0750	-0.3	-0.1
	1400	20.3	6.2
	2012	-0.8	-0.2
30 W	0225	19.5	5.9
	0822	0.6	0.2
	1428	19.9	6.1
	2044	-0.4	-0.1

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

Lat. 59° 26'N Long. 151° 43'W

Times and Heights of High and Low Waters

OCTOBER

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 Th	0300	18.7	5.7	16 F	0304	20.6	6.3
	0854	1.8	0.5		0855	0.3	0.1
	1457	19.2	5.9		1501	21.8	6.6
	2117	0.3	0.1		2129	-3.4	-1.0
2 F	0336	17.5	5.3	17 Sa	0355	19.3	5.9
	0926	3.3	1.0		0941	1.8	0.5
	1529	18.2	5.5		1546	20.4	6.2
	2150	1.3	0.4		2219	-2.1	-0.6
3 Sa	0416	16.1	4.9	18 Su	0450	17.7	5.4
	1002	4.8	1.5		1034	3.6	1.1
	1558	17.0	5.2		1637	18.6	5.7
	2227	2.5	0.8		2317	-0.4	-0.1
4 Su	0501	14.6	4.5	19 M	0559	16.1	4.9
	1040	6.3	1.9		1136	5.2	1.6
	1635	15.6	4.8		1741	16.7	5.1
	2312	3.8	1.2				
5 M	0602	13.3	4.1	20 Tu	0028	1.2	0.4
	1133	7.7	2.3		0718	15.2	4.6
	1725	14.4	4.4		1258	6.1	1.9
					1903	15.3	4.7
6 Tu	0015	4.8	1.5	21 W	0151	2.0	0.6
	0722	12.6	3.8		0845	15.3	4.7
	1247	8.6	2.6		1434	5.8	1.8
	1838	13.4	4.1		2037	14.9	4.5
7 W	0143	5.2	1.6	22 Th	0312	2.1	0.6
	0855	12.9	3.9		0954	16.2	4.9
	1425	8.4	2.6		1553	4.5	1.4
	2009	13.3	4.1		2159	15.6	4.8
8 Th	0309	4.5	1.4	23 F	0417	1.6	0.5
	1004	14.1	4.3		1046	17.3	5.3
	1545	7.0	2.1		1649	2.9	0.9
	2132	14.4	4.4		2258	16.6	5.1
9 F	0409	3.2	1.0	24 Sa	0503	1.2	0.4
	1046	15.6	4.8		1127	18.3	5.6
	1636	5.1	1.6		1733	1.4	0.4
	2231	16.0	4.9		2345	17.6	5.4
10 Sa	0454	1.7	0.5	25 Su	0545	0.9	0.3
	1123	17.3	5.3		1200	19.1	5.8
	1718	2.9	0.9		1809	0.1	0.0
	2321	17.8	5.4				
11 Su	0535	0.3	0.1	26 M	0024	18.3	5.6
	1155	19.0	5.8		0620	0.9	0.3
	1758	0.6	0.2		1230	19.7	6.0
					1844	-0.7	-0.2
12 M	0006	19.4	5.9	27 Tu	0059	18.8	5.7
	0614	-0.7	-0.2		0649	1.0	0.3
	1230	20.6	6.3		1257	20.1	6.1
	1837	-1.4	-0.4		1915	-1.2	-0.4
13 Tu	0049	20.7	6.3	28 W	0133	19.0	5.8
	0653	-1.3	-0.4		0721	1.4	0.4
	1304	21.8	6.6		1326	20.1	6.1
	1918	-3.0	-0.9		1947	-1.4	-0.4
14 W	0133	21.4	6.5	29 Th	0207	18.8	5.7
	0731	-1.4	-0.4		0753	2.1	0.6
	1341	22.5	6.9		1354	19.9	6.1
	1958	-3.9	-1.2		2018	-1.2	-0.4
15 Th	0217	21.4	6.5	30 F	0240	18.3	5.6
	0812	-0.8	-0.2		0825	2.9	0.9
	1420	22.5	6.9		1424	19.3	5.9
	2043	-4.1	-1.2		2050	-0.6	-0.2
				31 Sa	0317	17.5	5.3
					0900	4.0	1.2
					1454	18.3	5.6
					2123	0.3	0.1

NOVEMBER

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 Su	0355	16.4	5.0	16 M	0440	18.1	5.5
	0936	5.2	1.6		1021	3.5	1.1
	1526	17.2	5.2		1623	18.5	5.6
	2158	1.4	0.4		2259	-1.3	-0.4
2 M	0440	15.1	4.6	17 Tu	0544	16.9	5.2
	1015	6.4	2.0		1125	4.7	1.4
	1603	15.9	4.8		1725	16.5	5.0
	2240	2.5	0.8				
3 Tu	0533	14.1	4.3	18 W	0005	0.6	0.2
	1104	7.4	2.3		0655	16.0	4.9
	1651	14.6	4.5		1242	5.4	1.6
	2336	3.6	1.1		1842	14.9	4.5
4 W	0642	13.4	4.1	19 Th	0117	2.0	0.6
	1213	8.1	2.5		0805	15.8	4.8
	1757	13.5	4.1		1410	5.2	1.6
					2010	14.1	4.3
5 Th	0047	4.3	1.3	20 F	0233	2.7	0.8
	0758	13.6	4.1		0914	16.2	4.9
	1343	7.8	2.4		1527	4.1	1.2
	1927	13.1	4.0		2132	14.3	4.4
6 F	0206	4.2	1.3	21 Sa	0337	2.9	0.9
	0904	14.5	4.4		1009	16.9	5.2
	1500	6.4	2.0		1625	2.7	0.8
	2051	13.8	4.2		2238	15.1	4.6
7 Sa	0315	3.5	1.1	22 Su	0428	2.9	0.9
	0953	15.9	4.8		1049	17.6	5.4
	1601	4.3	1.3		1711	1.4	0.4
	2201	15.2	4.6		2326	15.9	4.8
8 Su	0410	2.4	0.7	23 M	0510	2.9	0.9
	1038	17.6	5.4		1123	18.2	5.5
	1647	1.9	0.6		1748	0.3	0.1
	2257	17.0	5.2				
9 M	0457	1.3	0.4	24 Tu	0006	16.7	5.1
	1115	19.4	5.9		0547	2.9	0.9
	1733	-0.6	-0.2		1155	18.8	5.7
	2345	18.6	5.7		1822	-0.6	-0.2
10 Tu	0542	0.4	0.1	25 W	0043	17.4	5.3
	1153	21.0	6.4		0624	2.9	0.9
	1815	-2.8	-0.9		1225	19.2	5.9
					1854	-1.2	-0.4
11 W	0032	20.0	6.1	26 Th	0118	17.8	5.4
	0624	-0.1	0.0		0656	3.0	0.9
	1233	22.2	6.8		1255	19.5	5.9
	1857	-4.4	-1.3		1925	-1.6	-0.5
12 Th	0119	20.8	6.3	27 F	0151	18.0	5.5
	0709	-0.2	-0.1		0731	3.2	1.0
	1315	22.8	6.9		1326	19.4	5.9
	1942	-5.3	-1.6		1957	-1.6	-0.5
13 F	0205	20.9	6.4	28 Sa	0227	17.8	5.4
	0752	0.1	0.0		0806	3.6	1.1
	1357	22.7	6.9		1359	19.1	5.8
	2027	-5.3	-1.6		2031	-1.3	-0.4
14 Sa	0254	20.4	6.2	29 Su	0305	17.4	5.3
	0838	0.9	0.3		0841	4.2	1.3
	1442	21.9	6.7		1433	18.4	5.6
	2113	-4.5	-1.4		2105	-0.7	-0.2
15 Su	0346	19.4	5.9	30 M	0342	16.7	5.1
	0929	2.1	0.6		0918	4.9	1.5
	1529	20.4	6.2		1507	17.5	5.3
	2203	-3.1	-0.9		2142	0.1	0.0

DECEMBER

Day	Time	Height		Day	Time	Height	
	h.m.	ft.	m.		h.m.	ft.	m.
1 Tu	0423	15.9	4.8	16 W	0517	17.8	5.4
	0958	5.7	1.7		1106	3.6	1.1
	1547	16.4	5.0		1706	16.7	5.1
	2221	1.0	0.3		2333	0.0	0.0
2 W	0511	15.1	4.6	17 Th	0613	16.8	5.1
	1048	6.4	2.0		1212	4.3	1.3
	1632	15.2	4.6		1812	14.9	4.5
	2306	2.0	0.6				
3 Th	0602	14.7	4.5	18 F	0031	1.9	0.6
	1145	6.7	2.0		0713	16.2	4.9
	1730	14.1	4.3		1327	4.6	1.4
					1926	13.6	4.1
4 F	0005	2.9	0.9	19 Sa	0135	3.4	1.0
	0702	14.6	4.5		0815	15.9	4.8
	1258	6.5	2.0		1445	4.2	1.3
	1847	13.4	4.1		2048	13.1	4.0
5 Sa	0110	3.5	1.1	20 Su	0243	4.4	1.3
	0801	15.2	4.6		0912	15.9	4.8
	1414	5.4	1.6		1553	3.3	1.0
	2010	13.5	4.1		2204	13.5	4.1
6 Su	0219	3.6	1.1	21 M	0345	4.8	1.5
	0856	16.2	4.9		1001	16.3	5.0
	1522	3.5	1.1		1644	2.2	0.7
	2126	14.4	4.4		2303	14.2	4.3
7 M	0322	3.2	1.0	22 Tu	0434	4.9	1.5
	0949	17.6	5.4		1044	16.8	5.1
	1617	1.2	0.4		1726	1.1	0.3
	2231	15.8	4.8		2350	15.1	4.6
8 Tu	0420	2.6	0.8	23 W	0518	4.7	1.4
	1036	19.2	5.9		1121	17.4	5.3
	1707	-1.2	-0.4		1803	0.1	0.0
	2329	17.4	5.3				
9 W	0513	1.9	0.6	24 Th	0029	16.0	4.9
	1123	20.6	6.3		0558	4.4	1.3
	1756	-3.3	-1.0		1158	18.1	5.5
					1835	-0.7	-0.2
10 Th	0019	18.8	5.7	25 F	0104	16.7	5.1
	0603	1.2	0.4		0637	4.1	1.2
	1208	21.8	6.6		1232	18.6	5.7
	1842	-4.9	-1.5		1909	-1.3	-0.4
11 F	0109	19.8	6.0	26 Sa	0140	17.3	5.3
	0651	0.8	0.2		0712	3.8	1.2
	1256	22.4	6.8		1307	18.9	5.8
	1928	-5.8	-1.8		1942	-1.7	-0.5
12 Sa	0158	20.3	6.2	27 Su	0214	17.6	5.4
	0739	0.8	0.2		0748	3.7	1.1
	1341	22.4	6.8		1342	19.0	5.8
	2014	-5.8	-1.8		2016	-1.8	-0.5
13 Su	0246	20.2	6.2	28 M	0251	17.6	5.4
	0827	1.1	0.3		0826	3.7	1.1
	1430	21.7	6.6		1418	18.7	5.7
	2102	-5.1	-1.6		2051	-1.6	-0.5
14 M	0334	19.7	6.0	29 Tu	0325	17.4	5.3
	0916	1.7	0.5		0904	3.9	1.2
	1519	20.4	6.2		1456	18.2	5.5
	2149	-3.8	-1.2		2125	-1.1	-0.3
15 Tu	0426	18.8	5.7	30 W	0403	17.0	5.2
	1008	2.6	0.8		0942	4.2	1.3
	1611	18.7	5.7		1536	17.3	5.3
	2240	-2.0	-0.6		2202	-0.4	-0.1
				31 Th	0442	16.6	5.1
					1027	4.5	1.4
					1619	16.3	5.0
					2243	0.6	0.2

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

VALDEZ, ALASKA, 1981

Lat. 61° 08'N Long. 146° 21'W

Times and Heights of High and Low Waters

JANUARY

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Th	0212	4.3	1.3	16 F	0212	3.4	1.0
	0838	11.3	3.4		0838	12.4	3.8
	1535	1.8	0.5		1532	-0.3	-0.1
	2145	8.7	2.7		2202	9.4	2.9
2 F	0313	4.3	1.3	17 Sa	0321	3.3	1.0
	0918	11.7	3.6		0931	12.9	3.9
	1616	0.9	0.3		1627	-1.4	-0.4
	2236	9.2	2.8		2301	10.1	3.1
3 Sa	0358	4.2	1.3	18 Su	0422	3.0	0.9
	0958	12.1	3.7		1025	13.3	4.1
	1653	0.0	0.0		1715	-2.2	-0.7
	2321	9.7	3.0		2354	10.7	3.3
4 Su	0440	3.9	1.2	19 M	0512	2.5	0.8
	1036	12.6	3.8		1118	13.5	4.1
	1729	-0.8	-0.2		1757	-2.6	-0.8
5 M	0000	10.2	3.1	20 Tu	0038	11.2	3.4
	0519	3.6	1.1		0558	2.2	0.7
	1115	13.0	4.0		1203	13.6	4.1
	1804	-1.4	-0.4		1837	-2.6	-0.8
6 Tu	0039	10.6	3.2	21 W	0117	11.5	3.5
	0555	3.4	1.0		0641	2.0	0.6
	1154	13.3	4.1		1245	13.4	4.1
	1839	-1.8	-0.5		1918	-2.3	-0.7
7 W	0114	10.9	3.3	22 Th	0155	11.6	3.5
	0636	3.2	1.0		0723	2.0	0.6
	1229	13.4	4.1		1324	12.9	3.9
	1915	-2.0	-0.6		1955	-1.7	-0.5
8 Th	0150	11.1	3.4	23 F	0228	11.5	3.5
	0715	3.0	0.9		0806	2.2	0.7
	1307	13.3	4.1		1402	12.2	3.7
	1955	-1.9	-0.6		2032	-0.9	-0.3
9 F	0224	11.2	3.4	24 Sa	0304	11.4	3.5
	0800	2.9	0.9		0848	2.5	0.8
	1346	12.8	3.9		1441	11.3	3.4
	2035	-1.5	-0.5		2107	0.1	0.0
10 Sa	0304	11.3	3.4	25 Su	0341	11.1	3.4
	0848	2.8	0.9		0933	2.8	0.9
	1431	12.1	3.7		1522	10.2	3.1
	2115	-0.9	-0.3		2144	1.2	0.4
11 Su	0348	11.3	3.4	26 M	0418	10.8	3.3
	0940	2.7	0.8		1021	3.1	0.9
	1525	11.0	3.4		1613	9.1	2.8
	2200	0.0	0.0		2221	2.3	0.7
12 M	0439	11.3	3.4	27 Tu	0503	10.5	3.2
	1039	2.6	0.8		1114	3.4	1.0
	1633	9.9	3.0		1722	8.2	2.5
	2250	1.1	0.3		2303	3.4	1.0
13 Tu	0536	11.4	3.5	28 W	0555	10.3	3.1
	1145	2.4	0.7		1217	3.4	1.0
	1803	9.0	2.7		1847	7.7	2.3
	2345	2.1	0.6		2348	4.3	1.3
14 W	0639	11.6	3.5	29 Th	0652	10.3	3.1
	1304	1.8	0.5		1340	3.1	0.9
	1932	8.7	2.7		2009	7.7	2.3
15 Th	0053	3.0	0.9	30 F	0101	5.0	1.5
	0739	12.0	3.7		0748	10.5	3.2
	1425	0.9	0.3		1455	2.3	0.7
	2049	8.9	2.7		2118	8.0	2.4
				31 Sa	0223	5.1	1.6
					0839	10.9	3.3
					1548	1.3	0.4
					2214	8.6	2.6

FEBRUARY

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Su	0329	4.7	1.4	16 M	0416	3.1	0.9
	0931	11.4	3.5		1022	12.3	3.7
	1630	0.2	0.1		1702	-1.5	-0.5
	2304	9.3	2.8		2341	10.6	3.2
2 M	0419	4.1	1.2	17 Tu	0504	2.4	0.7
	1014	12.1	3.7		1112	12.7	3.9
	1709	-0.7	-0.2		1741	-1.8	-0.5
	2341	10.1	3.1				
3 Tu	0502	3.4	1.0	18 W	0020	11.2	3.4
	1059	12.7	3.9		0548	1.8	0.5
	1744	-1.6	-0.5		1154	12.8	3.9
					1820	-1.9	-0.6
4 W	0016	10.7	3.3	19 Th	0052	11.6	3.5
	0541	2.7	0.8		0626	1.3	0.4
	1141	13.2	4.0		1233	12.8	3.9
	1819	-2.1	-0.6		1854	-1.6	-0.5
5 Th	0051	11.3	3.4	20 F	0123	11.9	3.6
	0620	2.0	0.6		0705	1.1	0.3
	1220	13.5	4.1		1310	12.5	3.8
	1855	-2.4	-0.7		1926	-1.1	-0.3
6 F	0124	11.8	3.6	21 Sa	0152	11.9	3.6
	0702	1.5	0.5		0743	1.2	0.4
	1302	13.5	4.1		1344	12.0	3.7
	1934	-2.3	-0.7		2000	-0.4	-0.1
7 Sa	0158	12.2	3.7	22 Su	0219	11.8	3.6
	0745	1.1	0.3		0819	1.3	0.4
	1344	13.1	4.0		1416	11.3	3.4
	2013	-1.8	-0.5		2032	0.6	0.2
8 Su	0234	12.4	3.8	23 M	0246	11.6	3.5
	0832	0.9	0.3		0858	1.6	0.5
	1429	12.2	3.7		1452	10.4	3.2
	2051	-0.9	-0.3		2104	1.6	0.5
9 M	0315	12.3	3.7	24 Tu	0315	11.2	3.4
	0922	0.9	0.3		0936	2.1	0.6
	1520	11.1	3.4		1533	9.5	2.9
	2135	0.2	0.1		2136	2.7	0.8
10 Tu	0400	12.1	3.7	25 W	0349	10.8	3.3
	1017	1.0	0.3		1022	2.5	0.8
	1623	9.8	3.0		1626	8.5	2.6
	2223	1.5	0.5		2210	3.7	1.1
11 W	0454	11.8	3.6	26 Th	0431	10.3	3.1
	1120	1.3	0.4		1116	2.9	0.9
	1750	8.7	2.7		1749	7.7	2.3
	2316	2.8	0.9		2256	4.6	1.4
12 Th	0601	11.5	3.5	27 F	0535	9.9	3.0
	1239	1.3	0.4		1227	3.1	0.9
	1924	8.3	2.5		1926	7.5	2.3
					2359	5.3	1.6
13 F	0025	3.8	1.2	28 Sa	0651	9.9	3.0
	0712	11.4	3.5		1356	2.7	0.8
	1405	0.9	0.3		2048	7.9	2.4
	2046	8.5	2.6				
14 Sa	0153	4.2	1.3				
	0820	11.6	3.5				
	1521	0.1	0.0				
	2157	9.2	2.8				
15 Su	0316	3.9	1.2				
	0925	11.9	3.6				
	1616	-0.8	-0.2				
	2256	9.9	3.0				

MARCH

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Su	0132	5.6	1.7	16 M	0313	3.9	1.2
	0800	10.2	3.1		0918	11.1	3.4
	1510	1.8	0.5		1559	0.0	0.0
	2145	8.6	2.6		2233	10.2	3.1
2 M	0302	5.0	1.5	17 Tu	0411	2.9	0.9
	0900	10.8	3.3		1015	11.5	3.5
	1601	0.6	0.2		1643	-0.5	-0.2
	2230	9.4	2.9		2315	10.9	3.3
3 Tu	0356	4.0	1.2	18 W	0456	2.0	0.6
	0955	11.6	3.5		1101	11.9	3.6
	1640	-0.5	-0.2		1720	-0.7	-0.2
	2309	10.3	3.1		2347	11.4	3.5
4 W	0443	2.8	0.9	19 Th	0533	1.2	0.4
	1040	12.4	3.8		1142	12.1	3.7
	1719	-1.4	-0.4		1752	-0.8	-0.2
	2344	11.2	3.4				
5 Th	0523	1.6	0.5	20 F	0019	11.9	3.6
	1125	13.1	4.0		0608	0.6	0.2
	1754	-2.0	-0.6		1218	12.1	3.7
					1826	-0.5	-0.2
6 F	0019	12.1	3.7	21 Sa	0046	12.2	3.7
	0605	0.6	0.2		0642	0.3	0.1
	1209	13.5	4.1		1252	12.0	3.7
	1830	-2.1	-0.6		1856	0.0	0.0
7 Sa	0051	12.8	3.9	22 Su	0110	12.3	3.7
	0646	-0.2	-0.1		0715	0.2	0.1
	1253	13.5	4.1		1325	11.7	3.6
	1909	-1.9	-0.6		1927	0.7	0.2
8 Su	0126	13.2	4.0	23 M	0134	12.3	3.7
	0731	-0.8	-0.2		0751	0.4	0.1
	1337	13.1	4.0		1357	11.2	3.4
	1948	-1.2	-0.4		1955	1.5	0.5
9 M	0202	13.4	4.1	24 Tu	0200	12.1	3.7
	0817	-0.9	-0.3		0826	0.7	0.2
	1424	12.2	3.7		1430	10.5	3.2
	2030	-0.2	-0.1		2027	2.4	0.7
10 Tu	0240	13.2	4.0	25 W	0224	11.7	3.6
	0906	-0.7	-0.2		0904	1.1	0.3
	1515	11.1	3.4		1507	9.7	3.0
	2112	1.0	0.3		2059	3.3	1.0
11 W	0324	12.7	3.9	26 Th	0253	11.2	3.4
	1000	-0.2	-0.1		0943	1.6	0.5
	1621	9.8	3.0		1554	8.8	2.7
	2200	2.3	0.7		2138	4.2	1.3
12 Th	0418	12.0	3.7	27 F	0327	10.6	3.2
	1100	0.5	0.2		1031	2.1	0.6
	1743	8.8	2.7		1708	8.1	2.5
	2257	3.6	1.1		2221	4.9	1.5
13 F	0529	11.2	3.4	28 Sa	0420	10.0	3.0
	1213	1.1	0.3		1131	2.5	0.8
	1916	8.5	2.6		1849	7.8	2.4
					2321	5.5	1.7
14 Sa	0009	4.5	1.4	29 Su	0548	9.6	2.9
	0651	10.7	3.3		1249	2.5	0.8
	1343	1.2	0.4		2006	8.2	2.5
	2038	8.9	2.7				
15 Su	0148	4.6	1.4	30 M	0049	5.6	1.7
	0810	10.8	3.3		0721	9.7	3.0
	1502	0.7	0.2		1412	2.0	0.6
	2142	9.5	2.9		2102	8.9	2.7
				31 Tu	0228	4.9	1.5
					0830	10.3	3.1
					1516	1.0	0.3
					2147	9.9	3.0

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

Lat. 61° 08'N Long. 146° 21'W

Times and Heights of High and Low Waters

APRIL

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 W	0331	3.5	1.1	16 Th	0440	1.5	0.5
	0927	11.1	3.4		1043	10.9	3.3
	1603	0.0	0.0		1650	0.5	0.2
	2227	10.9	3.3		2310	11.7	3.6
2 Th	0419	2.0	0.6	17 F	0515	0.7	0.2
	1021	12.0	3.7		1125	11.1	3.4
	1645	-0.8	-0.2		1722	0.6	0.2
	2304	11.9	3.6		2338	12.1	3.7
3 F	0503	0.5	0.2	18 Sa	0549	0.0	0.0
	1110	12.6	3.8		1202	11.3	3.4
	1723	-1.2	-0.4		1754	0.9	0.3
	2341	12.9	3.9				
4 Sa	0546	-0.8	-0.2	19 Su	0003	12.4	3.8
	1156	13.1	4.0		0621	-0.3	-0.1
	1804	-1.3	-0.4		1235	11.3	3.4
					1823	1.3	0.4
5 Su	0018	13.7	4.2	20 M	0029	12.5	3.8
	0628	-1.8	-0.5		0653	-0.5	-0.2
	1244	13.1	4.0		1307	11.1	3.4
	1843	-0.9	-0.3		1855	1.9	0.6
6 M	0054	14.1	4.3	21 Tu	0054	12.5	3.8
	0713	-2.3	-0.7		0725	-0.4	-0.1
	1331	12.7	3.9		1342	10.8	3.3
	1925	-0.2	-0.1		1926	2.5	0.8
7 Tu	0131	14.1	4.3	22 W	0119	12.3	3.7
	0759	-2.3	-0.7		0800	-0.1	0.0
	1419	12.0	3.7		1416	10.3	3.1
	2008	0.8	0.2		1958	3.2	1.0
8 W	0213	13.7	4.2	23 Th	0145	12.0	3.7
	0851	-1.9	-0.6		0835	0.3	0.1
	1512	11.0	3.4		1451	9.7	3.0
	2053	1.9	0.6		2032	3.9	1.2
9 Th	0256	12.9	3.9	24 F	0216	11.5	3.5
	0943	-1.0	-0.3		0917	0.7	0.2
	1619	10.0	3.0		1536	9.1	2.8
	2146	3.1	0.9		2112	4.5	1.4
10 F	0351	11.9	3.6	25 Sa	0251	10.9	3.3
	1042	-0.1	0.0		1002	1.2	0.4
	1743	9.3	2.8		1647	8.5	2.6
	2247	4.1	1.2		2159	5.0	1.5
11 Sa	0506	10.8	3.3	26 Su	0336	10.2	3.1
	1151	0.8	0.2		1055	1.6	0.5
	1904	9.1	2.8		1811	8.4	2.6
					2300	5.3	1.6
12 Su	0003	4.7	1.4	27 M	0459	9.5	2.9
	0635	10.1	3.1		1200	1.8	0.5
	1311	1.3	0.4		1924	8.8	2.7
	2015	9.5	2.9				
13 M	0143	4.5	1.4	28 Tu	0023	5.2	1.6
	0756	10.0	3.0		0639	9.4	2.9
	1431	1.2	0.4		1316	1.7	0.5
	2112	10.0	3.0		2015	9.5	2.9
14 Tu	0303	3.6	1.1	29 W	0151	4.3	1.3
	0902	10.3	3.1		0756	9.8	3.0
	1531	0.9	0.3		1425	1.2	0.4
	2158	10.6	3.2		2102	10.5	3.2
15 W	0358	2.5	0.8	30 Th	0302	2.8	0.9
	0956	10.6	3.2		0900	10.5	3.2
	1612	0.6	0.2		1521	0.6	0.2
	2236	11.2	3.4		2142	11.6	3.5

MAY

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 F	0356	1.0	0.3	16 Sa	0451	0.3	0.1
	0958	11.2	3.4		1104	10.1	3.1
	1608	0.1	0.0		1648	1.9	0.6
	2224	12.6	3.8		2256	12.1	3.7
2 Sa	0443	-0.6	-0.2	17 Su	0525	-0.3	-0.1
	1052	11.8	3.6		1143	10.3	3.1
	1653	-0.1	0.0		1722	2.1	0.6
	2304	13.5	4.1		2325	12.3	3.7
3 Su	0527	-2.0	-0.6	18 M	0557	-0.7	-0.2
	1144	12.2	3.7		1221	10.4	3.2
	1735	-0.1	0.0		1754	2.4	0.7
	2344	14.2	4.3		2354	12.5	3.8
4 M	0612	-3.0	-0.9	19 Tu	0631	-1.0	-0.3
	1235	12.3	3.7		1257	10.4	3.2
	1818	0.3	0.1		1826	2.8	0.9
5 Tu	0024	14.5	4.4	20 W	0021	12.5	3.8
	0658	-3.4	-1.0		0705	-1.0	-0.3
	1325	12.1	3.7		1332	10.3	3.1
	1903	0.9	0.3		1857	3.2	1.0
6 W	0106	14.4	4.4	21 Th	0050	12.4	3.8
	0745	-3.2	-1.0		0739	-0.8	-0.2
	1416	11.6	3.5		1406	10.1	3.1
	1949	1.7	0.5		1934	3.6	1.1
7 Th	0150	13.8	4.2	22 F	0120	12.1	3.7
	0835	-2.6	-0.8		0816	-0.6	-0.2
	1512	10.9	3.3		1445	9.7	3.0
	2040	2.5	0.8		2011	4.0	1.2
8 F	0235	12.8	3.9	23 Sa	0152	11.7	3.6
	0927	-1.6	-0.5		0855	-0.2	-0.1
	1613	10.2	3.1		1530	9.3	2.8
	2133	3.4	1.0		2055	4.4	1.3
9 Sa	0335	11.6	3.5	24 Su	0230	11.1	3.4
	1023	-0.6	-0.2		0941	0.2	0.1
	1726	9.8	3.0		1627	9.1	2.8
	2237	4.0	1.2		2146	4.6	1.4
10 Su	0445	10.4	3.2	25 M	0317	10.4	3.2
	1122	0.4	0.1		1029	0.6	0.2
	1838	9.7	3.0		1735	9.1	2.8
	2351	4.3	1.3		2245	4.6	1.4
11 M	0613	9.6	2.9	26 Tu	0430	9.6	2.9
	1229	1.2	0.4		1123	0.9	0.3
	1940	10.0	3.0		1835	9.5	2.9
					2358	4.3	1.3
12 Tu	0119	4.1	1.2	27 W	0603	9.2	2.8
	0729	9.3	2.8		1225	1.2	0.4
	1343	1.6	0.5		1927	10.2	3.1
	2033	10.4	3.2				
13 W	0239	3.2	1.0	28 Th	0118	3.4	1.0
	0834	9.3	2.8		0726	9.3	2.8
	1444	1.7	0.5		1332	1.3	0.4
	2116	10.8	3.3		2017	11.1	3.4
14 Th	0334	2.2	0.7	29 F	0231	1.9	0.6
	0931	9.5	2.9		0836	9.6	2.9
	1534	1.7	0.5		1436	1.3	0.4
	2153	11.3	3.4		2100	12.0	3.7
15 F	0416	1.2	0.4	30 Sa	0331	0.2	0.1
	1019	9.8	3.0		0939	10.1	3.1
	1611	1.8	0.5		1532	1.1	0.3
	2224	11.7	3.6		2145	13.0	4.0
				31 Su	0422	-1.4	-0.4
					1038	10.7	3.3
					1624	1.0	0.3
					2232	13.7	4.2

JUNE

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 M	0511	-2.7	-0.8	16 Tu	0536	-0.9	-0.3
	1134	11.1	3.4		1205	9.7	3.0
	1710	1.1	0.3		1728	3.1	0.9
	2317	14.2	4.3		2323	12.3	3.7
2 Tu	0557	-3.5	-1.1	17 W	0611	-1.2	-0.4
	1229	11.4	3.5		1243	9.9	3.0
	1758	1.2	0.4		1803	3.2	1.0
					2357	12.4	3.8
3 W	0002	14.4	4.4	18 Th	0646	-1.4	-0.4
	0644	-3.8	-1.2		1320	10.0	3.0
	1320	11.4	3.5		1837	3.3	1.0
	1845	1.6	0.5				
4 Th	0049	14.1	4.3	19 F	0031	12.4	3.8
	0731	-3.5	-1.1		0721	-1.4	-0.4
	1410	11.2	3.4		1355	10.0	3.0
	1934	2.0	0.6		1915	3.5	1.1
5 F	0135	13.5	4.1	20 Sa	0104	12.3	3.7
	0819	-2.9	-0.9		0758	-1.3	-0.4
	1503	10.9	3.3		1430	10.0	3.0
	2026	2.6	0.8		1955	3.6	1.1
6 Sa	0224	12.6	3.8	21 Su	0141	11.9	3.6
	0909	-2.0	-0.6		0837	-1.1	-0.3
	1557	10.5	3.2		1512	9.9	3.0
	2120	3.1	0.9		2040	3.7	1.1
7 Su	0317	11.4	3.5	22 M	0220	11.4	3.5
	0959	-0.9	-0.3		0919	-0.7	-0.2
	1657	10.2	3.1		1557	9.9	3.0
	2220	3.5	1.1		2133	3.7	1.1
8 M	0420	10.2	3.1	23 Tu	0307	10.6	3.2
	1051	0.1	0.0		1002	-0.2	-0.1
	1759	10.1	3.1		1650	10.0	3.0
	2324	3.7	1.1		2229	3.5	1.1
9 Tu	0535	9.2	2.8	24 W	0410	9.7	3.0
	1145	1.1	0.3		1050	0.4	0.1
	1855	10.2	3.1		1747	10.3	3.1
					2333	3.1	0.9
10 W	0039	3.6	1.1	25 Th	0534	9.0	2.7
	0653	8.7	2.7		1143	1.1	0.3
	1245	1.9	0.6		1843	10.8	3.3
	1943	10.5	3.2				
11 Th	0156	3.0	0.9	26 F	0047	2.4	0.7
	0759	8.5	2.6		0701	8.7	2.7
	1348	2.5	0.8		1248	1.7	0.5
	2026	10.8	3.3		1935	11.5	3.5
12 F	0302	2.2	0.7	27 Sa	0204	1.2	0.4
	0857	8.6	2.6		0817	8.9	2.7
	1444	2.8	0.9		1354	2.1	0.6
	2105	11.1	3.4		2025	12.2	3.7
13 Sa	0347	1.2	0.4	28 Su	0311	-0.2	-0.1
	0953	8.8	2.7		0926	9.3	2.8
	1532	3.0	0.9		1502	2.2	0.7
	2140	11.5	3.5		2118	12.9	3.9
14 Su	0428	0.4	0.1	29 M	0408	-1.6	-0.5
	1041	9.1	2.8		1032	9.8	3.0
	1614	3.0	0.9		1601	2.1	0.6
	2216	11.8	3.6		2208	13.4	4.1
15 M	0503	-0.3	-0.1	30 Tu	0459	-2.7	-0.8
	1126	9.4	2.9		1128	10.3	3.1
	1653	3.1	0.9		1654	1.9	0.6
	2251	12.1	3.7		2257	13.8	4.2

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

VALOEZ, ALASKA, 1981

Lat. 61° 08'N Long. 146° 21'W

Times and Heights of High and Low Waters

JULY

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 W	0545	-3.4	-1.0	16 Th	0552	-1.2	-0.4
	1221	10.8	3.3		1225	9.9	3.0
	1744	1.8	0.5		1744	3.2	1.0
	2348	13.9	4.2		2341	12.5	3.8
2 Th	0631	-3.6	-1.1	17 F	0626	-1.6	-0.5
	1309	11.1	3.4		1301	10.3	3.1
	1832	1.7	0.5		1821	2.9	0.9
3 F	0037	13.7	4.2	18 Sa	0018	12.7	3.9
	0717	-3.4	-1.0		0701	-1.8	-0.5
	1355	11.2	3.4		1336	10.5	3.2
	1921	1.9	0.6		1859	2.7	0.8
4 Sa	0123	13.2	4.0	19 Su	0054	12.6	3.8
	0800	-2.8	-0.9		0737	-1.8	-0.5
	1440	11.1	3.4		1408	10.7	3.3
	2008	2.1	0.6		1941	2.6	0.8
5 Su	0208	12.4	3.8	20 M	0132	12.4	3.8
	0845	-2.0	-0.6		0813	-1.5	-0.5
	1525	10.9	3.3		1443	10.9	3.3
	2059	2.5	0.8		2026	2.4	0.7
6 M	0256	11.3	3.4	21 Tu	0214	11.8	3.6
	0928	-0.9	-0.3		0855	-1.0	-0.3
	1615	10.7	3.3		1522	11.0	3.4
	2152	2.8	0.9		2115	2.3	0.7
7 Tu	0349	10.2	3.1	22 W	0300	11.0	3.4
	1013	0.2	0.1		0936	-0.3	-0.1
	1706	10.4	3.2		1605	11.0	3.4
	2247	3.1	0.9		2209	2.2	0.7
8 W	0450	9.1	2.8	23 Th	0359	10.0	3.0
	1057	1.3	0.4		1021	0.6	0.2
	1756	10.3	3.1		1658	11.1	3.4
	2351	3.2	1.0		2308	2.0	0.6
9 Th	0605	8.3	2.5	24 F	0515	9.0	2.7
	1143	2.4	0.7		1111	1.6	0.5
	1848	10.4	3.2		1758	11.3	3.4
10 F	0059	3.0	0.9	25 Sa	0020	1.6	0.5
	0716	7.9	2.4		0646	8.5	2.6
	1241	3.3	1.0		1212	2.5	0.8
	1932	10.5	3.2		1858	11.6	3.5
11 Sa	0215	2.5	0.8	26 Su	0137	1.0	0.3
	0823	7.9	2.4		0809	8.5	2.6
	1348	3.8	1.2		1325	3.2	1.0
	2020	10.7	3.3		2001	12.0	3.7
12 Su	0315	1.7	0.5	27 M	0255	-0.1	0.0
	0926	8.1	2.5		0921	8.9	2.7
	1450	4.0	1.2		1441	3.2	1.0
	2102	11.1	3.4		2058	12.5	3.8
13 M	0403	0.8	0.2	28 Tu	0355	-1.2	-0.4
	1019	8.5	2.6		1024	9.5	2.9
	1542	4.0	1.2		1550	2.9	0.9
	2142	11.4	3.5		2155	12.9	3.9
14 Tu	0441	0.0	0.0	29 W	0448	-2.1	-0.6
	1108	9.0	2.7		1123	10.2	3.1
	1627	3.7	1.1		1643	2.3	0.7
	2224	11.8	3.6		2251	13.3	4.1
15 W	0517	-0.7	-0.2	30 Th	0533	-2.7	-0.8
	1150	9.5	2.9		1210	10.8	3.3
	1704	3.5	1.1		1733	1.8	0.5
	2301	12.2	3.7		2340	13.5	4.1
				31 F	0617	-2.9	-0.9
					1254	11.2	3.4
					1820	1.5	0.5

AUGUST

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Sa	0026	13.4	4.1	16 Su	0006	13.1	4.0
	0659	-2.7	-0.8		0637	-1.7	-0.5
	1333	11.5	3.5		1304	11.5	3.5
	1904	1.4	0.4		1843	1.6	0.5
2 Su	0111	13.0	4.0	17 M	0042	13.1	4.0
	0737	-2.2	-0.7		0713	-1.7	-0.5
	1411	11.6	3.5		1335	11.9	3.6
	1950	1.5	0.5		1924	1.2	0.4
3 M	0150	12.4	3.8	18 Tu	0121	12.9	3.9
	0816	-1.3	-0.4		0750	-1.3	-0.4
	1445	11.4	3.5		1407	12.2	3.7
	2032	1.7	0.5		2006	0.9	0.3
4 Tu	0231	11.5	3.5	19 W	0206	12.3	3.7
	0854	-0.3	-0.1		0829	-0.6	-0.2
	1522	11.2	3.4		1445	12.3	3.7
	2117	2.1	0.6		2055	0.8	0.2
5 W	0315	10.5	3.2	20 Th	0251	11.4	3.5
	0932	0.8	0.2		0910	0.4	0.1
	1602	10.9	3.3		1525	12.2	3.7
	2205	2.5	0.8		2146	0.9	0.3
6 Th	0405	9.4	2.9	21 F	0349	10.2	3.1
	1011	2.0	0.6		0952	1.5	0.5
	1645	10.5	3.2		1613	11.9	3.6
	2255	2.8	0.9		2245	1.1	0.3
7 F	0511	8.4	2.6	22 Sa	0508	9.2	2.8
	1051	3.1	0.9		1045	2.7	0.8
	1735	10.2	3.1		1717	11.6	3.5
	2357	3.1	0.9		2355	1.3	0.4
8 Sa	0630	7.9	2.4	23 Su	0641	8.6	2.6
	1139	4.1	1.2		1148	3.7	1.1
	1834	10.1	3.1		1833	11.4	3.5
9 Su	0113	3.0	0.9	24 M	0118	1.1	0.3
	0748	7.8	2.4		0807	8.7	2.7
	1244	4.8	1.5		1310	4.2	1.3
	1930	10.3	3.1		1946	11.6	3.5
10 M	0233	2.4	0.7	25 Tu	0241	0.5	0.2
	0857	8.0	2.4		0918	9.2	2.8
	1407	5.0	1.5		1436	4.0	1.2
	2026	10.6	3.2		2052	12.0	3.7
11 Tu	0331	1.6	0.5	26 W	0345	-0.4	-0.1
	0955	8.5	2.6		1019	9.9	3.0
	1516	4.7	1.4		1545	3.2	1.0
	2116	11.1	3.4		2151	12.5	3.8
12 W	0416	0.7	0.2	27 Th	0435	-1.2	-0.4
	1043	9.1	2.8		1108	10.7	3.3
	1606	4.1	1.2		1638	2.3	0.7
	2201	11.6	3.5		2246	12.9	3.9
13 Th	0453	-0.2	-0.1	28 F	0518	-1.6	-0.5
	1125	9.8	3.0		1150	11.3	3.4
	1648	3.5	1.1		1725	1.6	0.5
	2243	12.2	3.7		2333	13.1	4.0
14 F	0529	-0.9	-0.3	29 Sa	0557	-1.7	-0.5
	1158	10.4	3.2		1225	11.8	3.6
	1726	2.8	0.9		1806	1.0	0.3
	2325	12.7	3.9				
15 Sa	0602	-1.5	-0.5	30 Su	0015	13.1	4.0
	1231	11.0	3.4		0633	-1.5	-0.5
	1803	2.1	0.6		1300	12.1	3.7
					1845	0.8	0.2
				31 M	0055	12.9	3.9
					0708	-1.0	-0.3
					1332	12.2	3.7
					1924	0.8	0.2

SEPTEMBER

Day	Time	Height ft.	Height m.	Day	Time	Height ft.	Height m.
	h.m.				h.m.		
1 Tu	0131	12.4	3.8	16 W	0113	13.2	4.0
	0743	-0.2	-0.1		0722	-0.4	-0.1
	1400	12.2	3.7		1333	13.6	4.1
	2003	1.0	0.3		1950	-0.6	-0.2
2 W	0206	11.7	3.6	17 Th	0157	12.6	3.8
	0818	0.8	0.2		0803	0.4	0.1
	1429	11.9	3.6		1408	13.6	4.1
	2043	1.4	0.4		2036	-0.5	-0.2
3 Th	0243	10.8	3.3	18 F	0245	11.7	3.6
	0851	1.9	0.6		0845	1.5	0.5
	1459	11.5	3.5		1451	13.1	4.0
	2124	1.9	0.6		2128	-0.1	0.0
4 F	0325	9.8	3.0	19 Sa	0346	10.5	3.2
	0925	3.0	0.9		0933	2.7	0.8
	1533	11.0	3.4		1539	12.5	3.8
	2209	2.5	0.8		2226	0.5	0.2
5 Sa	0421	8.9	2.7	20 Su	0506	9.5	2.9
	1004	4.1	1.2		1029	3.8	1.2
	1618	10.4	3.2		1645	11.7	3.6
	2258	3.0	0.9		2335	1.2	0.4
6 Su	0543	8.2	2.5	21 M	0643	9.1	2.8
	1050	5.0	1.5		1138	4.7	1.4
	1719	10.0	3.0		1815	11.1	3.4
7 M	0007	3.3	1.0	22 Tu	0059	1.4	0.4
	0717	8.0	2.4		0801	9.4	2.9
	1153	5.7	1.7		1311	4.9	1.5
	1841	9.9	3.0		1937	11.1	3.4
8 Tu	0136	3.1	0.9	23 W	0225	1.1	0.3
	0828	8.4	2.6		0908	10.0	3.0
	1327	5.8	1.8		1441	4.3	1.3
	1950	10.2	3.1		2049	11.5	3.5
9 W	0254	2.4	0.7	24 Th	0329	0.5	0.2
	0925	9.0	2.7		1000	10.8	3.3
	1452	5.3	1.6		1542	3.2	1.0
	2049	10.8	3.3		2148	11.9	3.6
10 Th	0342	1.4	0.4	25 F	0417	0.0	0.0
	1010	9.7	3.0		1043	11.5	3.5
	1545	4.3	1.3		1632	2.1	0.6
	2139	11.5	3.5		2237	12.3	3.7
11 F	0424	0.5	0.2	26 Sa	0456	-0.3	-0.1
	1048	10.5	3.2		1121	12.1	3.7
	1627	3.2	1.0		1712	1.2	0.4
	2224	12.3	3.7		2323	12.6	3.8
12 Sa	0459	-0.4	-0.1	27 Su	0533	-0.3	-0.1
	1121	11.4	3.5		1153	12.5	3.8
	1706	2.1	0.6		1750	0.6	0.2
	2309	12.9	3.9				
13 Su	0533	-0.9	-0.3	28 M	0002	12.6	3.8
	1155	12.2	3.7		0604	0.0	0.0
	1745	1.0	0.3		1223	12.8	3.9
	2348	13.4	4.1		1823	0.2	0.1
14 M	0608	-1.1	-0.3	29 Tu	0037	12.5	3.8
	1227	12.9	3.9		0637	0.5	0.2
	1823	0.2	0.1		1250	12.9	3.9
					1859	0.2	0.1
15 Tu	0031	13.5	4.1	30 W	0112	12.2	3.7
	0645	-1.0	-0.3		0708	1.3	0.4
	1259	13.4	4.1		1315	12.8	3.9
	1905	-0.4	-0.1		1934	0.4	0.1

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

Lat. 61° 08'N Long. 146° 21'W

Times and Heights of High and Low Waters

OCTOBER

Oay	Time h.m.	Height ft.	Height m.	Oay	Time h.m.	Height ft.	Height m.
1 Th	0145	11.7	3.6	16 F	0152	12.6	3.8
	0742	2.2	0.7		0740	1.5	0.5
	1340	12.6	3.8		1339	14.4	4.4
	2009	0.8	0.2		2021	-1.6	-0.5
2 F	0219	11.0	3.4	17 Sa	0245	11.8	3.6
	0814	3.1	0.9		0826	2.5	0.8
	1406	12.2	3.7		1422	13.7	4.2
	2048	1.3	0.4		2112	-0.9	-0.3
3 Sa	0259	10.2	3.1	18 Su	0345	10.8	3.3
	0847	4.1	1.2		0917	3.6	1.1
	1437	11.6	3.5		1515	12.7	3.9
	2130	2.0	0.6		2209	0.0	0.0
4 Su	0349	9.4	2.9	19 M	0505	10.1	3.1
	0925	4.9	1.5		1017	4.5	1.4
	1509	10.9	3.3		1626	11.6	3.5
	2218	2.6	0.8		2316	1.0	0.3
5 M	0505	8.7	2.7	20 Tu	0631	9.9	3.0
	1010	5.7	1.7		1131	5.1	1.6
	1602	10.2	3.1		1759	10.8	3.3
	2316	3.1	0.9				
6 Tu	0641	8.5	2.6	21 W	0033	1.6	0.5
	1114	6.2	1.9		0743	10.2	3.1
	1735	9.7	3.0		1304	5.0	1.5
					1927	10.6	3.2
7 W	0030	3.2	1.0	22 Th	0154	1.7	0.5
	0753	8.9	2.7		0842	10.8	3.3
	1243	6.2	1.9		1433	4.1	1.2
	1911	9.8	3.0		2037	10.8	3.3
8 Th	0154	2.8	0.9	23 F	0300	1.5	0.5
	0846	9.6	2.9		0931	11.5	3.5
	1417	5.5	1.7		1533	2.9	0.9
	2017	10.4	3.2		2134	11.2	3.4
9 F	0257	2.0	0.6	24 Sa	0348	1.2	0.4
	0928	10.4	3.2		1011	12.1	3.7
	1516	4.2	1.3		1619	1.7	0.5
	2113	11.2	3.4		2224	11.5	3.5
10 Sa	0342	1.2	0.4	25 Su	0427	1.1	0.3
	1006	11.4	3.5		1046	12.5	3.8
	1603	2.7	0.8		1657	0.8	0.2
	2201	12.0	3.7		2307	11.7	3.6
11 Su	0424	0.5	0.2	26 M	0502	1.2	0.4
	1040	12.4	3.8		1115	12.9	3.9
	1644	1.2	0.4		1730	0.2	0.1
	2248	12.7	3.9		2346	11.9	3.6
12 M	0459	0.0	0.0	27 Tu	0534	1.5	0.5
	1113	13.3	4.1		1144	13.2	4.0
	1725	-0.1	0.0		1803	-0.2	-0.1
	2334	13.2	4.0				
13 Tu	0538	-0.1	0.0	28 W	0021	11.9	3.6
	1149	14.1	4.3		0606	2.0	0.6
	1804	-1.2	-0.4		1210	13.3	4.1
					1836	-0.3	-0.1
14 W	0018	13.4	4.1	29 Th	0057	11.7	3.6
	0616	0.1	0.0		0638	2.6	0.8
	1225	14.6	4.5		1236	13.2	4.0
	1848	-1.8	-0.5		1910	-0.2	-0.1
15 Th	0104	13.2	4.0	30 F	0129	11.4	3.5
	0657	0.7	0.2		0710	3.2	1.0
	1302	14.7	4.5		1302	13.0	4.0
	1932	-1.9	-0.6		1944	0.2	0.1
				31 Sa	0205	11.0	3.4
					0742	4.0	1.2
					1328	12.6	3.8
					2019	0.7	0.2

NOVEMBER

Oay	Time h.m.	Height ft.	Height m.	Oay	Time h.m.	Height ft.	Height m.
1 Su	0240	10.4	3.2	16 M	0341	11.1	3.4
	0817	4.7	1.4		0907	3.7	1.1
	1358	12.0	3.7		1501	12.7	3.9
	2101	1.2	0.4		2152	-0.5	-0.2
2 M	0327	9.8	3.0	17 Tu	0452	10.6	3.2
	0859	5.3	1.6		1007	4.4	1.3
	1430	11.3	3.4		1610	11.4	3.5
	2143	1.8	0.5		2252	0.5	0.2
3 Tu	0436	9.2	2.8	18 W	0605	10.5	3.2
	0946	5.8	1.8		1119	4.7	1.4
	1514	10.5	3.2		1737	10.4	3.2
	2236	2.3	0.7		2358	1.5	0.5
4 W	0555	9.1	2.8	19 Th	0711	10.8	3.3
	1047	6.1	1.9		1245	4.5	1.4
	1629	9.8	3.0		1903	9.9	3.0
	2337	2.7	0.8				
5 Th	0704	9.4	2.9	20 F	0109	2.1	0.6
	1205	6.0	1.8		0807	11.2	3.4
	1818	9.5	2.9		1409	3.7	1.1
					2012	9.9	3.0
6 F	0046	2.7	0.8	21 Sa	0217	2.3	0.7
	0800	10.1	3.1		0852	11.7	3.6
	1336	5.2	1.6		1514	2.6	0.8
	1938	9.9	3.0		2113	10.1	3.1
7 Sa	0157	2.4	0.7	22 Su	0310	2.4	0.7
	0841	11.0	3.4		0931	12.1	3.7
	1444	3.7	1.1		1558	1.6	0.5
	2041	10.5	3.2		2206	10.3	3.1
8 Su	0254	1.9	0.6	23 M	0355	2.5	0.8
	0918	12.0	3.7		1008	12.5	3.8
	1536	2.0	0.6		1638	0.7	0.2
	2137	11.2	3.4		2251	10.6	3.2
9 M	0342	1.4	0.4	24 Tu	0433	2.6	0.8
	0958	13.1	4.0		1038	12.8	3.9
	1621	0.3	0.1		1712	0.0	0.0
	2230	11.9	3.6		2333	10.8	3.3
10 Tu	0427	1.1	0.3	25 W	0505	2.8	0.9
	1035	14.0	4.3		1109	13.0	4.0
	1704	-1.2	-0.4		1745	-0.5	-0.2
	2320	12.4	3.8				
11 W	0509	1.0	0.3	26 Th	0010	11.0	3.4
	1115	14.7	4.5		0541	3.1	0.9
	1749	-2.3	-0.7		1138	13.2	4.0
					1818	-0.7	-0.2
12 Th	0010	12.7	3.9	27 F	0044	11.1	3.4
	0552	1.2	0.4		0612	3.4	1.0
	1157	15.2	4.6		1206	13.2	4.0
	1831	-2.9	-0.9		1849	-0.7	-0.2
13 F	0059	12.7	3.9	28 Sa	0119	11.0	3.4
	0636	1.6	0.5		0645	3.8	1.2
	1238	15.2	4.6		1237	13.0	4.0
	1918	-2.9	-0.9		1925	-0.5	-0.2
14 Sa	0149	12.3	3.7	29 Su	0154	10.8	3.3
	0721	2.2	0.7		0720	4.2	1.3
	1321	14.7	4.5		1305	12.7	3.9
	2007	-2.4	-0.7		2000	-0.1	0.0
15 Su	0240	11.8	3.6	30 M	0230	10.4	3.2
	0811	3.0	0.9		0755	4.6	1.4
	1406	13.9	4.2		1337	12.2	3.7
	2058	-1.6	-0.5		2038	0.3	0.1

DECEMBER

Oay	Time h.m.	Height ft.	Height m.	Oay	Time h.m.	Height ft.	Height m.
1 Tu	0315	10.1	3.1	16 W	0423	11.1	3.4
	0838	5.0	1.5		0951	3.6	1.1
	1411	11.6	3.5		1548	11.2	3.4
	2120	0.8	0.2		2221	0.1	0.0
2 W	0402	9.8	3.0	17 Th	0524	10.9	3.3
	0924	5.3	1.6		1053	3.9	1.2
	1451	10.9	3.3		1702	10.0	3.0
	2205	1.3	0.4		2316	1.3	0.4
3 Th	0506	9.7	3.0	18 F	0624	10.9	3.3
	1021	5.3	1.6		1207	3.9	1.2
	1552	10.0	3.0		1824	9.2	2.8
	2255	1.7	0.5				
4 F	0608	10.0	3.0	19 Sa	0012	2.3	0.7
	1130	5.1	1.6		0717	11.1	3.4
	1722	9.4	2.9		1328	3.5	1.1
	2351	2.1	0.6		1939	8.9	2.7
5 Sa	0703	10.6	3.2	20 Su	0117	3.1	0.9
	1248	4.3	1.3		0805	11.3	3.4
	1857	9.3	2.8		1439	2.6	0.8
					2044	8.9	2.7
6 Su	0054	2.4	0.7	21 M	0223	3.5	1.1
	0749	11.4	3.5		0849	11.6	3.5
	1405	3.0	0.9		1534	1.7	0.5
	2011	9.6	2.9		2143	9.1	2.8
7 M	0201	2.4	0.7	22 Tu	0316	3.7	1.1
	0836	12.3	3.7		0927	11.9	3.6
	1508	1.3	0.4		1616	0.8	0.2
	2116	10.2	3.1		2235	9.5	2.9
8 Tu	0302	2.3	0.7	23 W	0403	3.8	1.2
	0921	13.2	4.0		1003	12.2	3.7
	1601	-0.4	-0.1		1654	0.1	0.0
	2214	10.8	3.3		2320	9.9	3.0
9 W	0355	2.1	0.6	24 Th	0443	3.7	1.1
	1003	14.1	4.3		1040	12.5	3.8
	1648	-1.9	-0.6		1727	-0.5	-0.2
	2310	11.4	3.5				
10 Th	0446	1.9	0.6	25 F	0001	10.2	3.1
	1049	14.7	4.5		0518	3.7	1.1
	1734	-2.9	-0.9		1115	12.7	3.9
					1802	-0.8	-0.2
11 F	0003	11.8	3.6	26 Sa	0035	10.5	3.2
	0533	1.9	0.6		0554	3.7	1.1
	1136	15.1	4.6		1149	12.8	3.9
	1819	-3.5	-1.1		1834	-1.0	-0.3
12 Sa	0054	12.0	3.7	27 Su	0109	10.7	3.3
	0621	2.0	0.6		0629	3.7	1.1
	1222	15.0	4.6		1221	12.8	3.9
	1907	-3.5	-1.1		1908	-1.0	-0.3
13 Su	0144	12.0	3.7	28 M	0142	10.7	3.3
	0709	2.3	0.7		0704	3.8	1.2
	1309	14.6	4.5		1253	12.7	3.9
	1953	-3.0	-0.9		1942	-0.9	-0.3
14 M	0233	11.8	3.6	29 Tu	0216	10.7	3.3
	0800	2.7	0.8		0742	3.9	1.2
	1357	13.7	4.2		1326	12.4	3.8
	2043	-2.2	-0.7		2019	-0.7	-0.2
15 Tu	0325	11.5	3.5	30 W	0251	10.6	3.2
	0853	3.1	0.9		0822	4.0	1.2
	1448	12.5	3.8		1400	11.9	3.6
	2132	-1.1	-0.3		2055	-0.3	-0.1
				31 Th	0328	10.5	3.2
					0907	4.0	1.2
					1442	11.2	3.4
					2136	0.3	0.1

Time meridian 150° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

ANCHORAGE, ALASKA, 1981

Lat. 61° 14'N Long. 149° 54'W

JANUARY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	16.2	20.1	22.7	23.7	23.1	20.1	16.0	12.3	8.9	7.2	9.3	14.4
Th	19.2	22.7	25.7	26.4	24.6	20.9	16.4	11.5	6.9	2.9	1.4	4.5
2	11.1	16.6	21.0	23.9	25.3	24.4	20.9	16.5	12.6	8.6	6.7	9.3
F	15.3	20.0	23.8	26.7	26.9	24.4	20.1	15.3	10.4	5.5	1.3	.1
3	4.9	12.2	18.0	22.7	25.6	26.6	24.8	20.7	16.0	11.8	7.8	6.3
Sa	10.4	17.0	21.5	25.5	27.9	27.3	23.6	18.8	13.7	8.8	3.9	-.3
4	-.1	6.7	14.2	20.2	24.6	27.3	27.2	24.3	19.4	14.5	10.3	6.6
Su	6.4	12.6	19.2	23.7	27.5	29.0	27.0	22.3	17.0	11.9	7.1	2.2
5	-1.6	1.2	9.3	16.7	22.6	26.6	28.4	26.9	22.9	17.6	12.5	8.5
M	5.5	7.6	15.4	21.4	26.1	29.1	29.5	26.1	20.7	15.1	10.0	5.2
6	.3	-2.1	3.9	12.2	19.5	24.8	28.2	28.7	25.9	21.1	15.6	10.5
Tu	6.8	4.8	10.1	18.1	23.5	27.9	30.1	29.1	24.5	18.8	13.3	8.1
7	3.3	-1.6	-.8	7.3	15.0	22.0	26.6	29.2	28.2	24.4	19.2	13.5
W	8.7	5.3	5.4	13.2	20.2	25.3	29.1	30.4	27.8	22.6	16.8	11.3
8	6.2	1.4	-2.5	2.1	10.7	17.9	24.2	28.0	29.3	27.0	22.6	17.3
Th	11.7	7.2	4.1	7.2	16.1	21.9	26.6	29.5	29.7	25.9	20.4	14.7
9	9.3	4.3	-.4	-1.7	6.1	14.1	20.7	25.9	28.9	28.7	25.4	20.6
F	15.3	10.0	5.9	3.7	9.6	17.9	23.1	27.2	29.4	28.4	23.7	18.1
10	12.6	7.3	2.7	-1.5	.8	10.0	17.2	23.1	27.3	29.3	27.7	23.7
Sa	18.5	13.4	8.5	4.5	4.0	11.4	18.7	23.8	27.3	28.9	26.8	21.9
11	16.2	10.8	5.9	1.6	-1.2	4.0	13.1	19.9	25.0	28.4	29.3	26.8
Su	22.2	16.8	11.8	7.3	3.5	4.5	11.8	18.6	23.8	26.9	28.0	25.4
12	20.7	15.1	9.9	5.3	1.4	.5	6.8	15.2	21.7	26.0	29.0	29.0
M	26.1	21.1	15.6	10.8	6.4	2.9	4.5	10.7	17.6	22.8	26.0	26.9
13	24.6	20.5	15.2	10.3	5.9	2.5	2.6	8.5	16.2	22.4	26.3	28.9
Tu	28.7	25.8	20.6	15.3	10.5	6.0	2.6	3.6	8.8	15.8	21.1	24.7
14	25.9	24.6	21.3	16.6	11.8	7.4	4.3	4.3	9.1	16.1	22.0	25.9
W	28.5	28.5	25.9	20.8	15.6	10.7	6.0	2.3	2.1	6.4	13.4	19.3
15	23.4	25.3	25.3	23.0	18.8	13.9	9.5	6.3	5.3	8.9	15.3	21.1
Th	25.3	28.2	28.7	26.4	21.4	16.3	11.1	6.3	2.0	.5	3.8	11.1
16	17.7	22.5	25.3	26.5	25.0	21.1	15.9	11.5	7.5	5.7	8.1	14.4
F	20.4	24.9	28.2	29.1	26.8	22.0	16.8	11.5	6.4	1.7	-.9	1.8
17	9.8	17.1	22.4	25.8	27.9	26.7	22.6	17.2	12.5	8.0	5.7	7.2
Sa	14.0	20.2	25.2	28.6	29.6	27.1	22.2	16.7	11.5	6.2	1.5	-2.3
18	.8	9.8	17.5	23.0	26.8	29.1	27.6	23.1	17.5	12.3	8.0	5.1
Su	6.8	14.5	20.8	26.1	29.4	30.1	26.9	21.7	16.2	11.0	5.9	.9
19	-3.5	1.6	11.1	18.9	24.2	28.1	29.8	27.5	22.4	16.7	11.4	7.5
M	4.1	7.4	15.8	22.1	27.3	30.3	30.2	26.1	20.6	15.2	9.9	5.3
20	-.4	-3.5	3.9	13.4	21.0	25.8	29.4	29.7	26.4	21.0	15.1	10.1
Tu	6.4	3.3	9.1	17.5	23.7	28.5	31.0	29.7	24.8	19.1	13.8	8.4
21	4.0	-1.9	-1.6	7.4	16.2	23.1	27.5	30.1	28.9	24.6	19.1	13.1
W	8.8	4.7	3.7	11.7	19.3	25.1	29.3	31.1	28.5	23.0	17.2	11.9
22	6.8	2.1	-2.4	2.1	11.2	19.2	25.1	29.0	30.0	27.3	22.4	16.8
Th	11.1	7.2	3.3	5.7	14.4	21.0	26.1	29.6	30.2	26.5	20.6	15.0
23	9.7	5.0	.3	-.8	6.8	15.2	21.9	26.9	29.7	29.0	25.1	19.9
F	14.3	9.3	5.5	3.2	8.6	16.7	22.4	26.6	29.2	28.4	24.0	18.0
24	12.6	7.6	3.3	-.3	3.0	11.7	18.8	24.2	28.2	29.5	27.2	22.5
Sa	17.2	12.0	7.7	4.1	4.5	11.5	18.5	23.2	26.5	28.0	26.0	21.3
25	15.5	10.3	6.0	2.2	1.2	7.6	15.8	21.6	25.9	28.7	28.3	24.9
Su	19.8	14.6	10.0	6.2	3.6	6.5	13.4	19.4	23.3	25.9	26.2	23.6
26	19.0	13.6	8.8	5.3	2.4	4.3	11.6	18.8	23.5	26.7	28.2	26.7
M	22.7	17.5	12.7	8.7	5.1	4.0	8.0	14.1	19.4	22.8	24.7	24.3
27	21.7	17.7	12.9	8.7	5.7	4.2	7.5	14.2	20.2	24.0	26.5	27.1
Tu	25.1	20.9	16.1	11.7	7.9	4.6	4.6	8.3	13.6	18.3	21.6	23.2
28	22.9	20.8	17.7	13.5	9.8	7.2	6.7	9.7	15.2	20.3	23.6	25.5
W	25.8	23.8	20.0	15.6	11.6	7.8	4.8	4.7	7.4	12.2	16.8	20.1
29	22.0	22.3	21.2	18.9	15.1	11.7	9.4	8.7	10.5	14.9	19.4	22.5
Th	24.4	25.0	23.3	19.9	15.9	12.0	8.0	4.9	3.9	5.9	10.4	15.3
30	19.0	21.7	22.7	22.6	20.7	17.1	13.6	11.1	9.4	10.1	14.0	18.5
F	21.6	23.8	24.9	23.4	20.3	16.3	12.3	8.0	4.5	2.7	4.2	9.1
31	14.5	18.8	22.2	24.0	24.2	22.2	18.4	14.7	11.6	9.0	9.3	13.5
Sa	18.2	21.5	24.3	25.4	24.0	20.5	16.4	12.0	7.6	3.6	1.2	3.0

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 14'N Long. 149° 54'W

FEBRUARY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	8.9	14.9	19.9	23.6	25.6	25.5	22.9	18.6	14.5	10.8	7.8	8.6
Su	13.9	18.9	22.7	25.7	26.6	24.5	20.4	15.8	11.2	6.6	2.2	-.2
2	3.0	10.1	16.6	21.8	25.4	27.2	26.0	22.4	17.5	13.1	9.2	6.4
M	8.7	15.4	20.6	24.7	27.5	27.7	24.6	19.7	14.6	9.9	5.2	.5
3	-1.1	4.4	12.3	19.1	24.1	27.4	28.1	25.6	21.1	15.7	11.0	7.2
Tu	5.1	10.0	17.5	22.7	27.0	29.3	28.5	24.0	18.5	13.1	8.2	3.5
4	-1.4	-.8	7.0	15.0	21.9	26.3	29.0	28.2	24.5	19.2	13.6	8.9
W	5.1	4.6	12.3	19.6	25.0	29.0	30.6	28.3	23.0	17.1	11.5	6.5
5	1.5	-2.9	1.3	10.3	18.0	24.4	28.3	29.8	27.5	22.9	17.2	11.5
Th	7.0	3.0	5.5	14.9	21.6	26.9	30.4	31.1	27.3	21.6	15.5	9.8
6	4.6	-.7	-2.9	5.0	13.7	21.0	26.6	29.9	29.7	26.2	21.0	15.2
F	9.5	5.0	1.6	7.5	17.2	23.3	28.2	31.2	30.6	25.7	19.7	13.6
7	7.9	2.7	-2.4	-.7	9.3	17.2	23.8	28.5	30.8	28.8	24.4	18.8
Sa	13.0	7.7	2.8	1.4	10.0	18.9	24.7	28.9	31.3	29.2	23.9	17.7
8	11.6	5.9	1.0	-2.7	3.2	13.5	20.5	26.3	30.2	30.8	27.4	22.2
Su	16.5	10.9	5.9	1.0	2.3	11.9	20.0	25.6	29.2	30.6	27.5	22.0
9	15.7	9.8	4.5	-.1	-1.0	7.5	16.8	23.4	28.1	31.1	30.1	25.9
M	20.0	14.3	9.1	4.2	.1	3.6	12.7	20.4	25.6	28.8	29.3	25.9
10	20.5	14.5	8.8	3.9	.4	2.0	10.8	19.1	25.1	29.0	31.0	29.0
Tu	24.5	18.3	12.9	7.9	3.1	.2	4.3	12.3	19.9	24.7	27.6	27.7
11	24.9	20.0	14.4	9.1	4.8	2.3	5.0	12.5	20.0	25.4	28.7	30.0
W	28.0	23.4	17.5	12.5	7.6	3.1	.9	4.1	10.9	18.1	22.8	25.8
12	26.3	24.6	20.6	15.7	10.7	6.9	5.0	7.0	12.8	19.5	24.3	27.4
Th	28.6	27.2	23.1	17.8	13.0	8.2	3.9	1.4	3.1	8.8	15.6	20.6
13	23.9	25.4	25.1	22.3	17.9	13.1	9.5	7.3	7.7	11.8	17.8	22.5
F	25.8	27.5	26.9	23.4	18.8	14.1	9.3	4.9	1.7	1.8	6.1	13.1
14	18.8	22.7	25.3	26.3	24.4	20.3	15.4	11.7	8.4	7.4	10.1	15.9
Sa	20.9	24.7	27.0	27.1	24.2	19.9	15.1	10.3	5.6	1.8	.1	4.0
15	11.7	18.0	22.5	26.0	27.8	26.2	21.9	16.9	12.5	8.6	6.4	8.3
Su	14.7	20.1	24.5	27.2	27.8	24.9	20.6	15.6	10.7	5.9	1.5	-1.6
16	3.3	11.8	18.5	23.2	27.2	29.0	27.0	22.2	16.9	12.0	8.1	4.8
M	7.4	14.8	20.6	25.3	28.2	28.5	25.1	20.4	15.3	10.2	5.7	.4
17	-2.4	4.6	13.5	20.2	24.7	28.6	29.4	26.5	21.2	15.6	10.8	6.8
Tu	3.2	8.2	16.1	22.1	26.7	29.4	28.7	24.5	19.4	14.3	9.1	4.8
18	-1.2	-1.3	7.4	16.1	22.4	26.7	29.7	29.0	25.0	19.3	13.4	9.3
W	4.7	2.9	10.3	18.0	24.0	28.3	30.4	28.3	23.3	17.9	12.6	7.6
19	3.0	-2.1	1.9	11.2	19.2	24.9	28.6	30.0	27.6	22.7	16.8	11.2
Th	7.3	2.6	4.3	13.2	20.2	25.8	29.6	30.5	27.0	21.4	15.9	10.5
20	5.8	.8	-1.0	6.6	15.2	22.3	27.2	30.0	29.2	25.3	20.0	14.1
F	9.0	4.9	1.8	7.5	16.1	22.3	27.2	30.3	29.6	25.0	19.0	13.5
21	8.2	3.6	-.5	2.7	11.8	19.1	25.0	29.1	30.1	27.4	22.5	17.0
Sa	11.4	6.8	2.7	3.0	11.2	18.7	24.0	28.2	29.9	27.7	22.4	16.3
22	10.9	6.1	1.7	.6	8.1	16.6	22.5	27.3	30.0	28.9	24.8	19.2
Su	13.8	8.9	4.5	1.6	6.0	14.7	20.9	25.3	28.4	28.5	25.1	19.6
23	13.6	8.5	4.4	1.2	4.3	13.4	20.5	25.3	28.7	29.6	26.8	21.6
M	15.9	10.9	6.6	2.6	2.3	9.3	17.2	22.4	25.9	27.7	26.4	22.5
24	17.1	11.4	7.0	3.7	2.8	8.9	17.4	23.2	26.9	29.0	28.1	24.1
Tu	18.6	13.1	8.7	4.9	1.7	4.2	11.6	18.4	22.8	25.6	26.3	24.3
25	20.4	15.5	10.4	6.8	4.5	6.0	12.7	19.7	24.4	27.0	27.9	25.9
W	21.6	16.3	11.4	7.6	4.0	2.2	6.1	12.5	18.4	22.1	24.3	24.6
26	22.7	19.5	15.3	10.8	7.9	6.7	9.3	14.7	20.2	24.0	25.9	26.0
Th	24.0	19.9	15.3	11.0	7.5	4.1	3.3	6.8	12.0	17.1	20.5	22.7
27	23.3	22.1	19.8	16.4	12.5	9.9	9.3	11.2	14.7	19.3	22.5	24.2
F	24.3	22.7	19.4	15.4	11.6	8.2	4.9	4.2	6.3	10.5	15.1	18.8
28	21.5	22.9	22.6	21.1	18.1	14.6	12.0	11.0	11.2	13.7	17.7	20.9
Sa	22.7	23.5	22.6	19.8	16.2	12.6	9.0	5.6	4.0	5.0	8.7	13.5

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

ANCHORAGE, ALASKA, 1981

Lat. 61° 14'N Long. 149° 54'W

MARCH

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	17.8	21.3	23.4	23.9	22.8	19.8	16.0	13.1	11.0	10.0	12.2	16.5
Su	20.0	22.5	24.0	23.4	20.8	17.1	13.2	9.3	5.6	3.1	3.3	7.4
2	13.0	18.2	22.2	24.8	25.6	24.0	20.5	16.3	12.7	9.6	8.2	11.2
M	16.3	20.4	23.7	25.4	24.9	21.8	17.5	13.2	8.9	4.7	1.5	2.0
3	7.4	14.0	19.8	24.0	26.6	26.9	24.4	20.0	15.2	11.0	7.5	6.5
Tu	11.2	17.4	22.1	25.8	27.5	26.4	22.2	17.2	12.4	7.9	3.3	-.2
4	1.6	8.9	16.2	22.2	26.2	28.5	27.4	23.8	18.5	13.3	8.8	5.1
W	5.3	12.4	19.3	24.4	28.1	29.6	27.2	22.0	16.4	11.2	6.4	1.5
5	-1.8	2.9	11.7	19.1	24.8	28.5	29.7	27.1	22.4	16.5	11.1	6.6
Th	2.6	5.2	14.6	21.4	26.7	30.3	31.0	27.1	21.3	15.3	9.8	4.8
6	-.6	-2.2	5.9	14.9	22.0	27.3	30.4	30.0	26.1	20.6	14.5	9.1
F	4.2	.5	6.6	16.8	23.3	28.6	31.9	31.3	26.4	20.2	13.9	8.3
7	3.0	-2.5	-.5	10.1	18.2	24.9	29.6	31.7	29.3	24.5	18.5	12.5
Sa	7.1	1.6	-.5	9.0	18.7	25.0	29.9	32.7	30.6	25.1	18.7	12.3
8	6.6	1.2	-3.1	3.3	14.3	21.4	27.5	31.5	31.9	27.9	22.4	16.3
Su	10.4	5.1	-.9	.3	11.5	20.3	26.3	30.7	32.6	29.3	23.5	16.9
9	10.6	4.9	-.3	-1.7	8.0	18.0	24.4	29.7	32.7	31.0	26.1	19.9
M	14.0	8.3	2.8	-2.3	2.2	13.4	21.5	27.1	30.9	31.5	27.6	21.7
10	15.1	8.9	3.6	-.6	1.6	12.3	20.8	26.7	31.1	32.7	29.5	23.9
Tu	17.5	11.9	6.5	1.0	-2.2	4.3	14.4	22.2	27.1	30.2	29.9	26.1
11	20.2	14.0	8.0	3.5	.9	5.5	15.1	22.6	27.8	31.2	31.4	27.7
W	21.9	15.8	10.5	5.3	.3	-.9	5.6	14.5	21.7	26.1	28.7	28.3
12	25.0	19.6	13.9	8.4	4.8	3.7	8.3	16.0	22.8	27.2	29.9	29.5
Th	26.1	20.6	15.1	10.2	5.2	1.1	.7	5.9	13.5	20.1	24.2	26.7
13	26.9	24.7	20.2	15.0	10.2	7.3	6.5	9.5	15.4	21.4	25.3	27.6
F	27.6	25.1	20.3	15.6	10.9	6.3	2.7	1.9	5.2	11.5	17.6	22.0
14	24.9	26.2	25.2	21.8	17.1	12.7	10.0	8.2	9.1	13.4	18.9	22.8
Sa	25.3	26.2	24.8	21.0	16.9	12.4	8.0	4.3	2.4	3.7	9.0	15.4
15	20.2	23.8	26.3	26.5	23.8	19.3	15.0	11.7	8.5	7.6	10.8	16.4
Su	20.7	23.9	25.8	25.3	22.3	18.4	13.8	9.4	5.2	2.2	1.8	7.2
16	14.3	19.6	23.7	27.1	27.9	25.4	20.7	16.1	11.9	7.9	5.5	8.6
M	15.1	19.9	23.8	26.3	26.3	23.3	19.3	14.5	9.8	5.6	1.4	.4
17	7.1	14.7	20.3	24.6	28.3	28.8	25.9	20.6	15.6	11.0	6.5	3.4
Tu	8.1	15.2	20.6	24.8	27.5	27.1	23.7	19.2	14.3	9.3	5.1	.0
18	.6	8.9	16.6	22.0	26.2	29.4	28.8	24.9	19.2	13.8	9.4	4.4
W	2.4	9.3	16.7	22.4	26.5	28.9	27.3	23.1	18.2	13.0	8.2	3.8
19	-1.0	3.0	12.1	19.4	24.4	28.2	29.8	27.6	22.7	16.8	11.5	7.4
Th	2.1	3.3	11.9	19.0	24.6	28.4	29.7	26.7	21.7	16.6	11.1	6.6
20	1.8	-.1	7.3	15.8	22.4	26.9	29.7	29.2	25.5	20.0	14.0	9.1
F	4.8	.9	6.1	15.0	21.5	26.7	29.9	29.6	25.3	19.8	14.4	9.0
21	4.5	.4	3.2	12.2	19.5	25.4	29.2	30.2	27.5	22.6	17.0	11.3
Sa	6.7	2.1	1.7	10.0	17.9	23.8	28.4	30.5	28.4	23.3	17.4	12.0
22	6.9	2.4	1.1	8.4	16.8	22.9	27.9	30.5	29.2	24.9	19.3	13.9
Su	8.6	4.0	.5	4.8	14.0	20.6	25.7	29.4	29.8	26.4	20.7	14.8
23	9.6	5.0	1.4	4.6	13.9	20.8	25.8	29.6	30.3	27.0	21.6	15.9
M	10.8	6.0	1.4	1.1	9.0	17.3	22.9	27.1	29.4	28.1	23.8	18.0
24	12.2	7.4	3.6	2.6	9.8	18.6	23.9	27.9	30.2	28.6	23.9	18.0
Tu	12.6	8.0	3.6	.1	3.8	12.9	19.9	24.5	27.6	28.4	25.9	21.2
25	15.5	10.0	6.1	3.5	6.0	14.7	21.7	26.0	28.8	29.2	26.0	20.6
W	14.8	9.9	5.8	1.8	.6	7.2	15.4	21.4	25.1	27.2	26.8	23.8
26	19.1	13.8	9.0	6.0	5.2	10.3	17.9	23.2	26.6	28.2	27.0	23.1
Th	17.8	12.5	8.2	4.7	1.2	2.6	9.7	16.5	21.6	24.5	25.9	25.1
27	22.2	18.1	13.3	9.3	7.2	8.0	13.4	18.8	23.1	25.7	26.4	24.6
F	20.8	16.0	11.5	7.8	4.6	2.0	4.7	10.6	16.3	20.6	23.2	24.5
28	23.9	21.5	18.2	14.1	10.8	9.1	10.5	14.3	18.2	21.8	23.9	24.4
Sa	22.8	19.7	15.7	11.8	8.5	5.3	3.4	5.7	10.0	15.0	18.9	21.8
29	23.5	23.6	22.0	19.3	15.6	12.5	10.8	11.4	13.3	16.6	20.0	22.2
Su	23.1	22.3	19.9	16.5	12.8	9.6	6.2	4.4	5.4	8.7	13.3	17.6
30	21.2	23.5	24.3	23.3	20.7	17.0	13.5	11.3	10.4	11.3	14.8	18.6
M	21.4	23.2	23.1	21.3	17.8	14.0	10.5	6.8	4.2	4.1	7.1	12.3
31	17.4	21.7	24.5	25.7	24.7	21.6	17.4	13.4	10.3	8.2	9.1	13.6
Tu	18.3	22.1	24.6	25.0	23.0	19.0	14.7	10.6	6.5	3.2	2.5	6.2

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 14'N Long. 149° 54'W

APRIL

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	12.6	18.5	23.3	26.2	27.4	25.6	21.7	16.7	12.1	8.2	5.5	7.3
W	13.7	19.4	23.9	26.8	27.2	24.5	19.7	14.7	10.1	5.6	1.7	1.1
2	6.7	14.4	20.7	25.6	28.4	28.8	25.7	20.7	15.1	10.2	5.7	2.9
Th	6.5	14.9	21.2	26.2	29.1	29.2	25.3	19.8	14.2	9.2	4.3	.0
3	.6	8.9	17.0	23.4	27.9	30.4	29.3	25.0	19.1	13.2	8.1	3.3
F	.5	7.1	16.8	23.1	28.3	31.2	30.3	25.4	19.3	13.4	8.1	2.9
4	-1.5	1.9	12.3	19.9	26.1	30.3	31.7	28.9	23.6	17.2	11.4	6.2
Sa	.6	-.8	9.0	18.5	24.9	30.0	32.5	30.3	24.9	18.5	12.4	6.9
5	1.5	-2.1	5.1	16.0	22.7	28.6	32.3	32.0	27.6	21.7	15.4	9.7
Su	4.3	-2.0	-.6	11.3	20.1	26.4	31.1	33.0	29.6	23.9	17.3	11.1
6	5.5	.1	-1.0	9.5	19.2	25.4	30.8	33.5	31.2	25.9	19.6	13.5
M	7.9	2.0	-3.9	1.3	13.4	21.5	27.4	31.8	32.5	28.5	22.5	15.9
7	9.6	4.3	-.5	2.0	13.8	21.9	27.8	32.3	33.5	29.6	23.7	17.3
Tu	11.6	5.9	-.3	-4.1	4.0	15.0	22.7	28.0	31.8	31.4	27.1	20.9
8	14.4	8.3	3.6	.3	6.0	16.9	23.9	29.2	32.8	32.4	27.6	21.3
W	15.3	9.7	4.1	-1.7	-2.6	6.3	16.2	23.3	28.0	30.9	29.9	25.7
9	19.6	13.4	7.7	3.8	2.6	9.4	18.4	24.9	29.3	31.8	30.3	25.6
Th	19.3	13.8	8.4	3.1	-1.5	-.3	7.8	16.6	23.0	27.1	29.4	28.6
10	24.7	19.0	13.2	8.3	5.4	5.4	11.1	18.4	24.3	27.9	29.6	28.0
F	23.8	18.2	13.2	8.1	3.4	.1	1.8	8.3	16.0	21.7	25.5	27.7
11	27.5	24.3	19.5	14.1	10.0	7.7	7.4	11.1	16.9	22.2	25.4	26.9
Sa	26.1	22.8	18.1	13.7	8.9	4.8	2.2	3.1	7.8	14.4	19.8	23.7
12	26.3	27.0	24.8	20.8	15.8	12.2	9.7	8.0	9.6	14.4	19.4	22.7
Su	24.7	25.0	22.8	19.1	15.0	10.5	6.7	3.8	3.4	6.5	12.5	18.2
13	22.4	25.6	27.2	26.0	22.4	17.6	13.9	10.4	7.3	7.3	11.6	17.0
M	20.7	23.5	24.9	23.6	20.4	16.5	12.1	8.1	4.7	3.0	5.0	11.5
14	17.5	22.0	25.7	27.9	27.1	23.5	18.5	14.3	9.9	5.7	4.7	9.8
Tu	15.8	20.1	23.6	25.6	24.7	21.6	17.4	12.9	8.4	4.8	2.0	4.5
15	12.0	18.1	22.8	26.6	28.8	27.5	23.3	18.0	13.2	8.5	3.7	3.0
W	9.7	16.2	21.0	24.8	26.9	25.6	22.0	17.5	12.6	7.9	4.1	1.2
16	5.8	13.8	19.9	24.4	27.9	29.2	26.8	21.8	16.2	11.2	6.6	1.5
Th	3.1	11.3	17.8	22.9	26.5	28.0	25.7	21.4	16.5	11.3	6.9	2.8
17	1.8	9.0	16.7	22.5	26.6	29.2	28.7	25.0	19.4	13.7	9.0	4.2
F	.2	5.2	13.9	20.2	25.1	28.3	28.4	24.9	20.0	14.9	9.6	5.4
18	1.8	4.6	13.1	19.9	25.3	28.7	29.7	27.1	22.3	16.5	11.0	6.6
Sa	1.7	.7	8.7	16.7	22.8	27.3	29.5	28.0	23.5	18.1	12.8	7.7
19	3.6	2.3	9.1	17.1	23.1	27.8	30.1	28.9	24.7	19.2	13.7	8.4
Su	3.9	-.2	3.4	12.6	19.5	25.1	28.9	29.7	26.7	21.4	15.9	10.6
20	5.9	2.5	5.2	14.1	20.7	26.0	29.7	30.3	27.0	21.7	16.1	10.9
M	5.9	1.2	.0	7.5	16.0	22.1	26.9	29.7	28.8	24.7	19.0	13.5
21	8.5	4.4	3.1	10.0	18.5	23.8	28.2	30.5	28.9	24.2	18.4	13.1
Tu	8.1	3.3	-.6	2.6	11.8	18.9	24.2	28.1	29.4	27.1	22.3	16.5
22	11.1	6.9	3.7	6.1	15.0	21.7	26.1	29.3	29.7	26.3	20.8	15.1
W	10.2	5.6	1.1	-.4	6.6	15.2	21.3	25.6	28.3	28.2	24.9	19.9
23	14.3	9.3	5.9	4.7	10.6	18.8	23.7	27.4	29.2	27.6	23.1	17.5
Th	12.2	7.7	3.6	-.2	1.9	10.4	17.6	22.9	26.2	27.7	26.5	22.8
24	17.9	12.6	8.4	6.0	7.3	14.6	20.7	24.7	27.4	27.8	24.9	20.1
F	14.8	10.1	6.1	2.5	.2	5.1	12.9	18.9	23.3	25.8	26.6	24.9
25	21.2	16.7	11.9	8.6	7.1	10.3	16.7	21.0	24.4	26.2	25.7	22.4
Sa	18.0	13.3	9.1	5.6	2.3	1.8	7.5	13.8	19.1	22.8	25.0	25.4
26	23.8	20.5	16.4	12.3	9.4	8.6	12.1	16.5	20.2	23.1	24.5	23.8
Su	21.0	17.1	12.9	9.2	6.1	3.0	3.6	8.4	13.6	18.5	21.9	24.3
27	24.8	23.6	20.7	17.0	13.2	10.3	9.6	11.9	14.9	18.6	21.5	23.2
M	23.0	20.9	17.5	13.6	10.1	6.9	4.0	4.4	7.9	12.8	17.5	21.3
28	24.1	25.1	24.3	21.6	17.8	13.8	10.6	9.2	9.9	12.7	17.0	20.4
Tu	23.0	23.5	22.1	18.9	14.9	11.2	7.6	4.5	4.0	6.7	12.0	17.2
29	21.7	24.9	26.2	25.5	22.5	18.2	13.7	9.9	7.4	7.1	10.6	16.0
W	20.4	23.9	25.1	24.0	20.6	16.2	12.0	7.9	4.2	2.9	5.6	11.9
30	17.9	23.0	26.4	27.8	26.8	22.9	17.8	12.8	8.4	4.9	4.3	9.1
Th	16.1	21.4	25.6	27.1	26.1	22.1	17.1	12.2	7.7	3.4	1.7	5.2

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

ANCHORAGE, ALASKA, 1981

Lat. 61° 14'N Long. 149° 54'W

MAY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	13.0	19.6	24.9	28.3	29.6	27.4	22.6	16.7	11.3	6.5	2.3	1.8
F	8.8	17.0	23.0	27.4	29.2	27.7	23.1	17.5	12.1	7.2	2.5	.7
2	6.0	15.2	21.8	27.2	30.3	30.8	27.2	21.6	15.2	9.8	4.7	-.2
Sa	.2	9.7	18.3	24.6	29.1	30.8	28.6	23.4	17.2	11.7	6.5	1.7
3	.4	8.3	18.0	24.1	29.4	32.1	31.1	26.3	20.0	13.7	8.4	3.0
Su	-2.5	-.1	11.3	19.6	26.0	30.3	31.8	28.6	23.1	16.7	11.0	5.7
4	.9	1.2	11.8	20.5	26.4	31.3	33.2	30.5	24.8	18.4	12.4	7.0
M	1.1	-4.4	1.2	13.0	20.9	27.1	31.3	31.9	28.1	22.3	15.9	10.1
5	4.9	.4	3.6	15.3	22.7	28.4	32.7	33.4	29.1	23.0	16.7	11.0
Tu	5.5	-.9	-5.0	3.6	14.6	22.1	27.9	31.7	31.3	27.2	21.1	14.8
6	9.0	4.2	.7	7.0	18.1	24.5	29.9	33.3	32.4	27.2	20.9	15.0
W	9.4	3.8	-2.7	-3.8	6.2	16.1	23.3	28.4	31.6	30.4	26.0	19.8
7	13.6	8.1	3.8	2.2	10.3	19.7	25.8	30.4	32.8	30.6	25.2	18.9
Th	13.3	7.7	2.3	-3.2	-1.3	8.5	17.5	24.0	28.5	30.9	29.3	24.6
8	18.7	12.6	7.7	4.2	4.5	12.5	20.3	26.0	29.7	31.1	28.5	23.2
F	17.2	11.9	6.5	1.5	-2.2	1.5	10.2	18.4	24.0	28.0	29.8	28.2
9	23.6	18.0	12.2	8.2	5.5	6.6	13.1	19.9	24.9	27.9	28.7	26.3
Sa	21.5	16.2	11.2	6.2	1.9	-.1	3.8	11.2	18.3	23.3	27.0	28.6
10	27.2	23.1	18.0	12.7	9.4	7.0	7.6	12.3	18.2	22.7	25.3	26.2
Su	24.6	20.6	16.0	11.4	6.9	3.3	2.1	5.2	11.3	17.6	22.3	25.8
11	27.6	26.7	23.3	18.6	13.8	10.7	7.9	7.3	10.5	15.8	20.1	22.9
M	24.4	23.7	20.6	16.7	12.4	8.3	5.0	3.7	5.7	10.6	16.7	21.3
12	24.9	27.0	26.7	23.9	19.4	14.9	11.4	7.8	6.0	8.1	13.4	18.1
Tu	21.3	23.5	23.7	21.5	17.9	13.8	9.7	6.2	4.5	5.5	10.0	16.3
13	21.0	24.7	27.1	27.1	24.4	19.8	15.1	11.1	6.7	4.0	5.9	12.1
W	17.2	21.0	23.7	24.5	22.6	19.1	14.8	10.5	6.7	4.6	5.0	10.3
14	16.8	21.6	25.3	27.6	27.4	24.3	19.3	14.3	9.7	5.1	2.0	5.0
Th	12.2	17.6	21.8	24.7	25.6	23.5	19.6	15.0	10.3	6.4	4.2	5.3
15	12.0	18.2	23.0	26.5	28.3	27.1	23.2	17.7	12.6	7.8	3.1	.5
F	5.8	13.5	19.1	23.4	26.2	26.5	23.7	19.3	14.4	9.4	5.7	3.7
16	7.1	14.6	20.3	25.0	27.9	28.5	25.9	21.1	15.5	10.3	5.7	1.0
Sa	.6	8.2	15.7	21.3	25.4	27.6	26.8	23.0	18.1	13.1	8.2	4.7
17	4.2	10.4	17.6	22.9	27.2	29.1	27.9	23.8	18.5	13.0	8.0	3.4
Su	-.6	2.6	11.3	18.2	23.6	27.2	28.4	26.1	21.5	16.4	11.3	6.8
18	3.9	6.4	14.4	20.6	25.6	29.0	29.4	26.3	21.2	15.8	10.5	5.7
M	1.0	-.7	6.0	14.4	20.8	25.7	28.6	28.3	24.8	19.6	14.3	9.5
19	5.5	4.2	10.2	18.1	23.4	27.8	30.0	28.6	24.0	18.4	13.2	8.2
Tu	3.4	-.8	1.3	9.9	17.3	23.1	27.3	29.1	27.3	22.9	17.4	12.2
20	7.8	4.5	6.3	14.5	21.0	25.7	29.2	29.8	26.6	21.2	15.7	10.7
W	5.9	1.1	-1.1	4.9	13.4	19.9	25.0	28.3	28.6	25.7	20.7	15.2
21	10.2	6.5	4.7	10.0	18.1	23.2	27.3	29.4	28.2	23.9	18.3	13.1
Th	8.3	3.7	-.6	.7	8.9	16.2	22.1	26.2	28.4	27.4	23.7	18.6
22	13.2	8.7	5.8	6.6	14.2	20.5	24.7	27.9	28.5	25.8	20.9	15.5
F	10.7	6.2	1.9	-.9	4.1	12.3	18.5	23.7	26.7	27.8	25.8	21.7
23	16.7	11.6	7.9	5.9	9.5	17.1	21.6	25.3	27.4	26.8	23.1	18.2
Sa	13.2	8.7	4.6	.8	.5	7.7	14.6	20.3	24.4	26.7	26.7	24.3
24	20.0	15.3	10.7	7.6	6.9	12.2	18.2	21.9	25.0	26.3	24.8	20.9
Su	16.2	11.6	7.4	3.8	.7	2.8	10.1	16.1	21.2	24.5	26.4	25.8
25	23.2	19.0	14.5	10.5	7.7	8.0	13.2	17.8	21.5	24.0	25.1	23.3
M	19.6	15.2	10.9	7.1	3.8	1.4	4.9	11.2	16.8	21.4	24.6	26.1
26	25.4	22.7	18.6	14.3	10.5	7.7	8.3	12.3	16.4	20.4	23.0	24.3
Tu	22.8	19.6	15.4	11.2	7.6	4.2	2.5	5.7	11.3	17.0	21.4	24.8
27	26.3	25.7	23.0	18.7	14.3	10.3	7.3	7.2	10.0	14.6	19.2	22.5
W	24.3	23.4	20.7	16.5	12.3	8.5	4.8	3.1	5.5	11.0	17.1	21.7
28	25.4	27.0	26.6	23.6	18.9	14.2	9.7	6.2	4.9	7.2	12.9	18.3
Th	22.6	25.1	24.8	22.4	18.2	13.6	9.3	5.4	3.0	4.9	10.7	17.4
29	22.5	26.5	28.3	27.8	24.2	19.0	13.6	8.8	4.6	2.3	4.6	11.6
F	18.2	23.2	26.2	26.6	24.3	19.8	14.8	10.0	5.6	2.7	4.3	11.0
30	18.4	23.7	28.0	29.8	28.8	24.4	18.5	12.7	7.7	2.9	-.1	2.6
Sa	11.2	18.6	24.2	27.5	28.3	25.9	21.1	15.4	10.4	5.6	2.4	4.1
31	12.2	19.9	25.3	29.6	31.1	29.2	24.0	17.7	11.7	6.6	1.4	-2.2
Su	1.6	11.7	19.3	25.2	28.7	29.6	26.8	21.6	15.6	10.4	5.4	2.1

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 14'N Long. 149° 54'W

JUNE

Predicted hourly heights in feet

Oay	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	4.6	14.2	21.5	27.0	31.1	32.0	28.9	23.1	16.5	10.9	5.7	.1
M	-3.9	2.0	12.7	20.2	26.2	29.7	30.3	27.0	21.4	15.4	10.1	5.2
2	1.9	6.0	16.5	23.1	28.7	32.3	32.3	27.9	21.8	15.4	10.0	4.7
Tu	-1.3	-4.7	3.6	13.9	21.4	27.1	30.5	30.4	26.6	20.7	14.8	9.4
3	4.8	1.9	8.3	18.6	24.6	30.0	32.9	31.7	26.5	20.2	14.4	8.9
W	3.6	-2.8	-4.1	5.8	15.4	22.7	27.9	31.0	29.9	25.6	19.7	13.8
4	8.6	4.3	2.5	11.0	20.1	25.9	30.7	32.8	30.4	24.8	18.6	13.1
Th	7.5	2.3	-3.9	-2.0	8.3	17.1	23.8	28.6	31.0	29.1	24.4	18.5
5	12.6	7.9	3.8	4.1	13.3	21.1	26.6	30.6	31.8	28.6	22.9	17.0
F	11.6	6.1	.9	-3.7	1.0	10.7	18.9	24.8	29.0	30.5	28.0	23.0
6	17.3	11.5	7.4	3.8	6.1	14.6	21.5	26.3	29.6	30.0	26.6	21.0
Sa	15.4	10.0	4.9	.1	-2.0	4.2	12.9	20.2	25.3	28.9	29.6	26.8
7	21.7	16.2	10.9	7.3	4.6	7.7	14.9	21.0	25.2	27.8	27.8	24.6
Su	19.3	14.1	9.0	4.4	.5	.7	7.0	14.7	20.9	25.4	28.3	28.5
8	25.5	20.8	15.4	10.8	7.5	5.5	8.4	14.3	19.8	23.4	25.7	25.7
M	22.9	18.2	13.4	8.8	4.7	1.9	3.3	9.0	15.6	21.0	25.0	27.5
9	27.5	24.6	20.2	15.2	11.1	7.9	6.0	8.0	12.9	18.0	21.6	23.7
Tu	24.0	21.9	18.0	13.7	9.4	5.8	3.7	5.4	10.1	15.8	20.9	24.5
10	26.8	26.7	24.2	20.0	15.3	11.2	7.9	5.6	6.7	11.1	16.2	20.0
W	22.4	23.1	21.8	18.6	14.6	10.6	7.1	5.2	6.5	10.4	15.8	20.7
11	24.2	26.4	26.3	24.0	19.9	15.2	10.9	7.2	4.5	5.0	9.5	15.2
Th	19.2	22.0	23.2	22.7	19.8	15.9	11.8	8.1	6.0	6.9	10.4	16.2
12	20.8	24.4	26.5	26.4	23.8	19.5	14.5	10.1	5.9	2.9	3.3	8.8
F	15.0	19.3	22.5	24.2	23.9	20.9	16.7	12.5	8.4	6.2	6.8	11.1
13	17.1	21.5	25.2	26.9	26.4	23.2	18.5	13.4	8.6	4.2	1.1	2.5
Sa	9.5	15.7	20.4	23.7	25.5	24.8	21.4	16.9	12.4	8.1	5.9	6.9
14	12.7	18.5	22.9	26.4	27.6	26.0	22.0	16.9	11.7	6.9	2.5	-.3
Su	3.3	11.1	17.3	22.2	25.4	26.7	25.1	21.0	16.2	11.6	7.4	5.4
15	8.2	15.1	20.4	24.8	27.7	27.8	24.9	20.1	14.9	9.9	5.1	.7
M	-.7	5.5	13.4	19.5	24.1	27.0	27.2	24.5	19.7	14.9	10.2	6.4
16	5.4	10.7	17.9	22.7	26.8	28.8	27.4	23.2	18.0	12.8	7.9	3.3
Tu	-.9	.5	8.6	16.0	21.8	26.0	28.1	26.9	23.0	17.9	13.0	8.7
17	5.4	6.7	14.1	20.4	25.0	28.4	29.1	26.2	21.1	15.8	10.7	6.0
W	1.3	-1.6	3.3	11.7	18.7	24.0	27.5	28.3	25.8	21.2	15.9	11.0
18	7.2	5.0	9.4	17.2	22.6	26.9	29.2	28.5	24.3	18.9	13.6	8.7
Th	4.0	-.5	-.6	6.8	14.6	21.2	25.7	28.4	27.8	24.2	19.2	13.9
19	9.3	6.0	5.8	12.9	19.6	24.4	28.0	29.2	26.9	22.1	16.6	11.5
F	6.6	2.1	-1.5	2.2	10.3	17.3	23.2	26.8	28.4	26.5	22.4	17.3
20	12.0	7.9	5.3	8.1	16.0	21.2	25.6	28.2	28.2	24.7	19.6	14.4
Sa	9.4	4.7	.4	-.8	6.1	13.4	19.8	24.7	27.5	27.7	25.0	20.5
21	15.4	10.4	6.9	5.4	11.0	18.1	22.4	26.1	27.8	26.5	22.3	17.2
Su	12.2	7.5	3.1	-.6	1.6	9.7	16.1	21.9	25.7	27.7	26.7	23.3
22	18.6	13.7	9.3	6.0	6.3	13.2	19.0	23.0	25.9	27.0	24.7	20.2
M	15.2	10.4	6.0	2.0	-.4	4.7	12.5	18.4	23.3	26.5	27.5	25.7
23	21.9	17.1	12.4	8.4	5.4	7.3	13.9	19.0	23.0	25.4	26.1	23.2
Tu	18.8	13.9	9.3	5.3	1.6	.9	7.3	14.3	20.1	24.3	27.1	27.3
24	25.1	20.8	15.9	11.4	7.5	4.8	7.3	13.0	18.3	22.3	24.9	25.3
W	22.6	18.5	13.6	9.2	5.4	2.0	2.6	8.7	15.5	21.1	24.9	27.5
25	27.3	24.9	20.4	15.3	10.8	6.8	4.2	6.1	11.1	17.1	21.4	24.5
Th	25.1	23.0	19.2	14.5	10.1	6.1	3.0	3.7	9.1	16.0	21.5	25.4
26	27.9	27.8	25.3	20.4	15.1	10.4	6.0	3.1	3.9	8.8	15.4	20.5
F	24.2	25.3	24.1	20.8	16.2	11.6	7.3	4.1	4.2	8.9	16.0	21.7
27	25.8	28.5	28.5	25.9	20.6	15.1	10.0	5.4	1.7	1.6	6.5	13.9
Sa	19.8	24.2	26.0	25.7	22.7	18.1	13.0	8.6	4.9	4.2	8.6	16.0
28	21.9	26.3	29.3	29.4	26.4	20.8	15.0	9.6	4.7	.4	-.5	4.6
Su	13.0	19.6	24.5	26.9	27.3	24.5	19.6	14.2	9.5	5.2	4.1	8.4
29	16.4	22.4	27.2	30.2	30.2	26.5	20.8	14.7	9.3	4.2	-.5	-2.3
M	3.7	12.9	19.9	25.1	28.0	28.6	25.6	20.3	14.8	9.8	5.4	3.9
30	8.6	17.3	23.2	28.3	31.0	30.6	26.2	20.3	14.2	9.0	3.7	-1.3
Tu	-3.5	4.0	13.5	20.8	25.9	29.0	29.2	25.8	20.2	14.7	9.4	5.3

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

ANCHORAGE, ALASKA, 1981

Lat. 61° 14'N Long. 149° 54'W

JULY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	3.6	9.6	18.5	24.3	29.4	31.7	30.5	25.4	19.4	13.6	8.4	3.3
W	-2.4	-3.6	5.6	14.8	22.1	26.9	29.9	29.2	25.3	19.5	13.9	8.8
2	4.9	3.4	11.3	19.7	25.5	30.2	32.1	29.8	24.3	18.2	12.8	7.5
Th	2.6	-3.7	-2.2	7.8	16.7	23.5	28.0	30.3	28.7	24.2	18.4	12.7
3	8.2	4.0	4.1	13.3	20.9	26.5	30.6	31.9	28.6	22.8	16.9	11.6
F	6.3	1.2	-4.1	.6	10.6	18.8	24.8	29.0	30.3	27.7	22.7	17.0
4	11.3	7.3	3.0	5.7	15.1	21.8	27.0	30.5	30.9	26.9	21.0	15.4
Sa	9.9	5.0	-.3	-2.9	4.3	13.5	20.9	26.1	29.7	29.6	26.2	21.0
5	15.3	10.1	6.2	2.9	7.8	16.3	22.4	26.8	29.8	29.2	24.9	19.0
Su	13.6	8.3	3.7	-1.0	-.1	8.2	16.3	22.6	27.1	29.6	28.5	24.5
6	19.2	13.7	9.1	5.3	3.8	9.7	17.1	22.4	26.2	28.3	27.0	22.7
M	17.1	11.9	7.0	2.7	-.2	3.7	11.6	18.7	23.8	27.6	28.9	27.0
7	22.6	17.5	12.3	8.3	4.8	5.1	10.9	17.2	21.8	25.0	26.4	24.8
Tu	20.7	15.6	10.7	6.4	2.7	2.1	7.3	14.3	20.2	24.5	27.4	27.8
8	25.4	21.0	16.0	11.4	7.6	4.9	6.1	11.1	16.6	20.8	23.6	24.5
W	23.0	19.5	14.9	10.5	6.7	3.9	4.8	9.9	15.9	20.9	24.6	26.7
9	26.6	24.0	19.8	15.1	10.8	7.1	5.0	6.2	10.4	15.4	19.6	22.2
Th	23.1	22.1	19.4	15.3	11.3	7.8	5.7	6.9	11.3	16.4	20.9	24.2
10	26.0	25.7	23.2	19.2	14.7	10.4	6.8	4.7	5.3	9.0	14.1	18.4
F	21.2	22.5	22.2	20.3	16.6	12.7	9.4	7.3	8.0	11.6	16.3	20.7
11	23.7	25.6	25.2	22.8	18.9	14.5	10.0	6.2	3.7	3.9	7.5	13.2
Sa	17.7	21.1	22.8	23.3	21.7	18.1	14.1	10.7	8.0	8.1	11.3	16.3
12	20.5	23.6	25.7	25.3	22.8	18.7	14.1	9.4	5.3	2.3	2.3	6.7
Su	13.0	17.9	21.8	24.0	24.8	23.0	19.1	15.0	11.1	7.9	7.7	11.2
13	16.8	20.8	24.3	26.2	25.5	22.5	18.1	13.3	8.5	4.1	.9	1.2
M	7.1	13.8	19.0	23.1	25.5	26.0	23.5	19.1	14.8	10.5	7.2	7.3
14	12.1	17.9	22.0	25.6	27.0	25.6	21.7	17.0	12.0	7.3	2.8	-.5
Tu	1.4	8.7	15.5	20.9	24.9	27.0	26.3	22.9	18.1	13.6	9.3	6.3
15	7.6	14.1	19.7	24.0	27.1	27.8	25.1	20.5	15.4	10.5	5.8	1.3
W	-1.4	3.0	11.2	17.9	23.1	26.7	27.8	25.8	21.5	16.4	11.7	7.8
16	5.5	9.2	16.5	21.9	26.1	28.5	28.0	24.1	18.8	13.6	8.8	4.2
Th	-.4	-1.1	5.9	14.0	20.6	25.2	28.1	27.8	24.5	19.5	14.2	9.8
17	6.3	5.4	11.8	18.9	24.0	27.8	29.4	27.5	22.6	17.1	11.8	7.0
F	2.5	-1.8	.9	9.2	16.9	23.0	26.9	28.8	27.0	22.8	17.5	12.2
18	8.1	4.8	6.7	14.8	20.9	25.8	28.9	29.4	26.1	20.8	15.2	10.0
Sa	5.2	.5	-1.8	4.4	12.5	19.7	25.0	28.2	28.6	25.6	21.0	15.6
19	10.3	6.5	4.0	9.2	17.3	22.6	26.9	29.3	28.5	24.2	18.7	13.3
Su	8.0	3.3	-1.2	.1	8.5	15.7	22.2	26.5	28.8	27.7	23.9	19.0
20	13.6	8.7	4.9	4.3	12.1	19.1	23.8	27.5	29.1	26.9	22.0	16.5
M	11.2	6.1	1.6	-1.6	3.7	12.4	18.8	24.4	27.9	28.8	26.3	22.0
21	16.8	11.7	7.2	3.5	5.6	14.2	20.2	24.7	27.6	28.3	25.0	19.9
Tu	14.5	9.3	4.6	.3	-.2	7.8	15.6	21.5	26.1	28.8	28.2	24.9
22	19.9	14.8	10.0	5.7	2.7	7.0	15.0	20.8	24.9	27.4	27.2	23.4
W	18.4	13.0	8.0	3.6	.1	2.4	11.0	18.2	23.6	27.3	29.2	27.5
23	23.7	18.2	13.1	8.6	4.4	2.4	7.4	14.6	20.6	24.5	26.8	26.1
Th	22.6	17.7	12.5	7.8	3.7	1.2	5.0	12.9	19.8	24.7	28.0	29.1
24	27.0	22.8	17.2	12.2	7.7	3.5	2.2	6.5	13.3	19.6	23.5	25.9
F	25.4	22.6	18.2	13.3	8.7	4.8	3.1	6.7	13.6	20.3	24.8	27.9
25	28.8	26.9	22.6	16.9	12.0	7.4	3.2	1.6	4.8	11.3	17.7	22.2
Sa	25.0	25.3	23.6	19.7	15.1	10.4	6.6	4.8	7.2	13.3	19.7	24.2
26	27.6	28.7	27.2	22.9	17.4	12.3	7.5	3.1	.7	2.7	8.9	15.8
Su	21.0	24.5	25.8	25.1	21.9	17.2	12.3	8.4	5.7	7.0	12.3	18.8
27	23.5	27.3	28.9	27.8	23.5	18.2	12.8	7.8	3.1	-.1	.7	6.8
M	14.4	20.4	24.5	26.7	26.9	23.9	18.9	13.9	9.5	6.1	6.3	11.2
28	18.1	23.2	27.5	29.4	28.4	24.1	18.7	13.1	8.1	3.0	-.8	-1.2
Tu	5.7	14.0	20.6	25.0	27.9	28.3	25.1	19.7	14.5	9.6	6.0	5.3
29	10.6	18.1	23.6	28.1	30.1	28.9	24.2	18.6	13.1	7.9	3.1	-1.7
W	-2.2	6.1	14.9	21.6	25.9	29.1	28.9	25.2	19.5	14.1	9.1	5.5
30	4.4	11.1	18.8	24.7	29.0	30.8	28.9	23.8	18.0	12.6	7.4	2.9
Th	-2.9	-1.7	7.9	16.7	23.1	27.3	29.9	28.7	24.3	18.5	12.8	8.4
31	4.3	4.1	12.6	20.1	26.0	30.0	31.3	28.3	22.7	17.0	11.7	6.7
F	1.8	-3.7	.7	10.7	19.0	24.8	28.7	30.1	27.7	22.7	16.9	11.3

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 14'N Long. 149° 54'W

AUGUST

Predicted hourly heights in feet

Oay	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	7.4	2.8	5.2	14.6	21.5	27.1	30.7	31.1	27.1	21.2	15.7	10.2
Sa	5.6	.1	-3.0	4.5	13.9	21.4	26.5	29.8	29.6	26.1	20.7	14.9
2	9.9	5.8	2.0	7.5	16.5	22.8	27.8	30.9	30.1	25.4	19.3	13.9
Su	8.5	4.0	-1.3	-.2	8.9	17.2	23.6	28.1	30.2	28.4	24.0	18.5
3	12.9	8.4	4.0	2.6	10.4	18.3	23.8	28.1	30.3	28.3	23.1	17.2
M	11.9	6.8	2.3	-.9	4.3	13.2	20.2	25.5	29.1	29.6	26.5	21.5
4	16.1	10.9	6.8	2.8	4.7	13.0	19.6	24.3	27.8	28.8	26.0	20.7
Tu	15.0	9.8	5.3	1.3	1.7	9.3	17.0	22.7	27.0	29.2	28.1	24.1
5	18.8	13.7	9.1	5.1	2.8	7.3	14.8	20.4	24.3	27.0	26.7	23.5
W	18.4	13.1	8.4	4.5	2.1	5.6	13.4	19.9	24.4	27.6	28.4	26.1
6	21.6	16.5	11.7	7.7	4.1	3.9	9.2	15.7	20.5	23.8	25.5	24.6
Th	21.5	17.0	12.0	8.0	4.9	4.4	9.3	16.1	21.4	25.0	27.1	26.9
7	24.1	19.6	14.8	10.5	6.6	3.8	5.0	9.9	15.5	19.7	22.7	24.0
F	23.1	20.6	16.7	12.3	8.9	6.4	7.1	11.5	17.2	21.6	24.6	26.0
8	25.5	22.6	18.5	14.0	10.1	6.3	4.1	5.3	9.4	14.3	18.4	21.4
Sa	22.8	22.5	20.9	17.7	13.7	10.5	8.6	9.0	12.2	16.8	20.8	23.4
9	24.8	24.5	21.9	18.3	14.2	10.2	6.3	4.2	4.6	7.9	12.6	17.0
Su	20.4	22.5	23.0	22.2	19.4	15.6	12.4	10.2	9.5	11.6	15.7	19.7
10	22.3	24.2	24.2	22.1	18.7	14.7	10.4	6.5	3.7	3.3	6.1	11.3
M	16.2	20.3	23.1	24.3	23.9	21.0	17.0	13.6	10.6	8.8	10.4	14.8
11	19.1	22.1	24.5	24.7	22.7	19.1	14.9	10.4	6.2	2.7	1.7	4.9
Tu	11.1	16.6	21.2	24.4	25.9	25.1	21.7	17.4	13.5	9.7	7.6	9.6
12	14.9	19.5	23.1	25.6	25.7	23.2	19.0	14.4	9.8	5.3	1.5	.4
W	5.1	12.2	18.1	22.9	26.1	27.2	25.4	21.2	16.4	12.2	8.2	6.4
13	9.9	16.3	21.1	24.9	27.2	26.6	23.0	18.2	13.3	8.6	4.1	.0
Th	.0	6.8	14.5	20.6	25.0	27.8	27.6	24.5	19.6	14.5	10.2	6.4
14	5.7	11.6	18.4	23.3	27.1	28.7	26.9	22.3	16.9	11.8	7.1	2.5
F	-1.5	1.3	9.7	17.4	23.2	27.1	28.9	27.2	23.0	17.5	12.3	8.1
15	4.5	6.1	14.1	20.7	25.7	29.0	29.8	26.5	21.0	15.4	10.1	5.4
Sa	.6	-2.0	4.2	13.0	20.4	25.6	28.9	29.2	26.0	21.0	15.3	10.1
16	6.1	3.0	8.0	16.8	22.8	27.6	30.4	29.9	25.3	19.5	13.7	8.3
Su	3.6	-1.3	-.5	8.3	16.4	23.2	27.6	30.0	28.5	24.4	18.9	13.2
17	8.3	3.9	2.6	10.8	19.1	24.6	28.9	31.0	28.9	23.6	17.7	12.0
M	6.5	1.7	-2.2	3.0	12.5	19.6	25.6	29.3	30.2	27.2	22.3	16.8
18	11.2	6.5	1.9	3.7	13.7	20.8	25.9	29.6	30.7	27.2	21.7	15.7
Tu	10.1	4.8	.0	-1.0	7.8	16.4	22.7	27.7	30.5	29.4	25.3	20.0
19	14.5	9.3	4.5	.6	5.9	15.8	22.1	26.7	29.8	29.6	25.3	19.7
W	13.8	8.3	3.3	-.7	2.1	12.4	19.7	25.3	29.3	30.8	28.1	23.3
20	17.5	12.3	7.4	2.6	.5	7.9	16.8	23.0	26.9	29.4	28.0	23.7
Th	18.0	12.4	7.1	2.6	.3	6.1	15.6	22.2	27.0	30.2	30.3	26.7
21	21.3	15.5	10.6	5.9	1.3	1.3	8.8	16.9	22.9	26.4	28.3	26.6
F	22.7	17.2	11.9	7.0	3.2	2.6	9.2	17.3	23.4	27.5	30.0	29.2
22	25.5	20.0	14.4	9.7	5.1	1.1	2.0	8.3	16.0	21.7	25.1	26.9
Sa	25.8	22.6	17.7	12.7	8.1	5.0	5.2	10.5	17.4	23.2	26.8	29.0
23	28.2	25.0	19.6	14.5	9.8	5.2	1.6	2.0	6.9	13.9	19.6	23.5
Su	25.6	25.7	23.5	19.4	14.6	10.2	7.3	6.8	10.3	16.2	21.6	25.4
24	27.7	27.6	25.1	20.3	15.5	10.6	6.0	2.3	1.4	4.8	11.3	17.4
M	22.0	24.9	26.3	25.2	21.7	16.9	12.5	9.1	7.2	9.0	14.0	19.7
25	23.9	26.8	27.6	25.8	21.5	16.8	11.7	7.0	2.7	.6	2.5	9.0
Tu	15.9	21.3	25.0	27.4	27.1	23.7	18.6	14.0	9.7	6.8	7.2	12.0
26	18.3	23.2	26.8	28.3	26.8	22.7	17.7	12.5	7.5	3.0	-.4	.5
W	8.1	15.8	21.6	25.7	28.8	28.5	24.8	19.3	14.2	9.4	5.9	5.2
27	11.0	18.0	23.5	27.4	29.3	27.6	23.2	17.9	12.6	7.5	3.0	-1.7
Th	.0	9.0	17.1	22.8	27.0	29.9	28.8	24.4	18.7	13.2	8.6	4.4
28	4.0	11.6	19.0	24.7	28.6	30.2	27.7	22.8	17.3	11.9	7.1	2.4
F	-2.7	1.6	11.4	19.3	24.5	28.5	30.3	28.1	23.0	17.0	11.6	7.5
29	2.6	4.5	13.4	20.7	26.3	29.9	30.7	27.1	21.6	16.1	10.6	6.2
Sa	.9	-2.4	5.1	14.6	21.9	26.6	29.9	29.9	26.4	20.8	14.8	9.9
30	5.7	1.3	6.6	15.8	22.6	27.8	31.0	30.3	25.7	19.9	14.5	9.0
Su	4.8	-.6	.3	9.6	18.1	24.5	28.6	30.5	28.6	24.0	18.3	12.5
31	8.2	3.4	1.7	9.9	18.2	24.3	28.9	31.2	29.1	23.7	17.9	12.5
M	7.3	2.8	-.6	5.0	14.2	21.3	26.8	30.0	30.0	26.5	21.1	15.6

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

ANCHORAGE, ALASKA, 1981

Lat. 61° 14'N Long. 149° 54'W

SEPTEMBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	10.3	6.1	1.6	4.1	13.4	20.3	25.6	29.6	30.4	27.1	21.3	15.6
Tu	10.3	5.5	1.4	2.0	10.6	18.4	24.2	28.5	30.3	28.3	23.6	18.1
2	12.9	8.2	3.8	1.5	7.8	16.4	22.1	26.5	29.4	28.6	24.5	18.7
W	13.2	8.3	4.1	1.7	6.7	15.6	21.8	26.4	29.4	29.3	25.7	20.4
3	15.0	10.3	6.0	2.1	3.3	11.4	18.7	23.3	26.8	28.2	26.3	21.9
Th	16.3	11.1	6.9	3.6	4.2	11.7	19.4	24.2	27.6	29.1	27.2	22.8
4	17.3	12.3	8.1	4.2	1.9	6.0	13.9	20.0	23.7	26.3	26.5	24.1
F	19.8	14.7	10.0	6.7	4.7	8.0	15.4	21.5	25.3	27.6	27.6	24.8
5	20.1	15.0	10.5	6.8	3.3	2.9	8.2	15.0	20.1	23.2	25.1	24.9
Sa	22.5	18.9	14.3	10.3	7.7	7.2	11.2	17.0	21.8	24.8	26.3	25.6
6	22.7	18.4	13.9	9.9	6.5	3.4	4.3	8.8	14.5	18.9	21.8	23.6
Su	23.7	22.0	19.2	15.2	11.8	9.6	9.7	12.5	16.6	20.7	23.3	24.4
7	23.9	21.6	18.0	14.1	10.5	6.9	4.3	4.9	8.1	12.9	17.1	20.3
M	22.7	23.5	22.7	20.6	17.0	13.7	11.5	10.9	11.9	15.1	18.8	21.5
8	23.0	23.2	21.6	18.7	15.1	11.5	7.7	4.9	4.4	6.5	10.9	15.5
Tu	19.4	22.6	24.2	24.2	22.4	18.8	15.2	12.5	10.5	10.3	13.2	17.3
9	20.5	22.7	23.7	22.6	19.8	16.1	12.2	8.1	4.8	3.2	4.7	9.6
W	15.1	19.8	23.6	25.7	25.8	23.5	19.5	15.4	11.9	8.8	8.4	12.1
10	17.0	20.8	23.9	25.2	24.1	20.7	16.6	12.2	7.8	3.9	1.6	3.6
Th	9.8	16.2	21.4	25.3	27.4	26.8	23.6	18.9	14.3	10.1	6.7	7.0
11	12.4	18.1	22.6	25.9	27.1	25.2	20.9	16.1	11.4	6.8	2.5	.2
F	3.9	11.7	18.5	23.7	27.3	28.7	26.8	22.5	17.0	12.2	7.8	4.5
12	6.7	14.1	20.2	25.1	28.2	28.8	25.5	20.4	15.0	10.0	5.3	.8
Sa	-.5	6.1	14.7	21.5	26.3	29.3	29.3	25.9	20.5	14.7	9.8	5.4
13	2.6	7.9	16.6	22.7	27.6	30.3	29.7	25.1	19.3	13.5	8.4	3.6
Su	-.9	.6	9.8	18.0	24.5	28.7	30.8	28.9	24.3	18.3	12.4	7.7
14	2.9	1.7	10.3	19.0	25.0	29.6	31.8	29.5	24.1	17.9	12.0	6.7
M	1.9	-1.9	3.8	13.9	21.2	27.1	30.7	31.2	27.6	22.2	16.1	10.4
15	5.7	.5	2.4	13.2	21.1	26.8	30.9	32.2	28.5	22.7	16.4	10.4
Tu	5.2	.1	-.9	8.6	17.7	24.2	29.4	32.0	30.5	25.7	19.9	14.0
16	8.6	3.5	-1.3	4.6	15.8	22.7	28.0	31.6	31.5	26.9	21.0	14.7
W	8.8	3.7	-.8	2.2	13.5	21.0	26.9	31.1	32.3	28.9	23.4	17.4
17	11.9	6.7	1.1	-1.5	7.4	17.6	24.0	28.6	31.5	30.1	25.2	19.1
Th	13.1	7.4	2.6	-.1	6.7	17.4	23.8	28.8	32.1	31.5	26.8	20.9
18	15.1	9.9	4.8	-.6	-.2	9.7	18.7	24.7	28.6	30.7	28.5	23.7
F	17.6	11.8	6.5	2.5	2.3	10.9	19.8	25.6	29.8	31.9	29.9	24.9
19	18.8	13.3	8.3	3.4	-1.0	1.7	10.8	19.0	24.5	27.9	29.2	27.1
Sa	22.7	17.0	11.5	6.8	3.8	5.4	13.2	20.6	25.9	29.4	30.6	28.2
20	23.4	17.5	12.5	7.7	3.0	-.1	3.1	10.6	18.2	23.2	26.4	27.7
Su	26.4	22.6	17.5	12.4	8.2	6.0	7.7	13.4	19.7	24.7	27.7	28.7
21	26.8	22.7	17.5	12.9	8.1	3.8	1.3	3.4	9.4	16.3	21.2	24.7
M	26.6	26.4	23.6	19.2	14.3	10.5	8.2	8.4	12.0	17.5	22.3	25.4
22	26.9	26.2	23.1	18.6	14.2	9.4	5.2	2.4	2.9	7.2	13.8	19.2
Tu	23.3	26.1	27.2	25.3	21.4	16.5	12.7	9.4	7.7	9.5	14.6	19.8
23	23.5	26.0	26.5	24.2	20.3	15.8	10.9	6.6	3.0	1.8	4.9	11.8
W	18.0	22.7	26.4	28.4	27.2	23.2	18.0	13.7	9.3	6.2	6.7	12.2
24	18.2	22.8	26.0	27.4	25.5	21.7	17.0	12.0	7.2	3.1	.3	3.4
Th	11.5	18.2	23.2	27.3	29.7	28.3	23.8	18.3	13.3	8.3	4.3	4.5
25	11.4	18.1	23.3	26.9	28.6	26.5	22.3	17.2	12.0	7.1	2.7	-.9
F	3.9	12.9	19.7	24.6	28.7	30.4	28.1	22.9	17.1	11.8	7.0	2.2
26	4.0	12.4	19.4	24.7	28.4	29.5	26.6	21.8	16.5	11.0	6.6	1.6
Sa	-.8	6.6	15.5	22.1	26.5	30.0	30.2	26.6	20.8	14.9	9.9	5.2
27	.7	5.5	14.6	21.5	26.6	29.9	29.7	25.7	20.5	15.0	9.5	5.4
Su	.4	1.5	10.7	18.8	24.7	28.6	30.7	28.9	24.1	18.1	12.4	8.0
28	2.9	.7	8.7	17.3	23.8	28.4	30.8	29.1	24.1	18.6	13.1	7.9
M	3.8	.4	5.9	15.1	22.1	27.3	30.3	30.2	26.6	21.1	15.3	9.9
29	5.8	.9	3.0	12.5	19.9	25.8	29.8	30.8	27.6	22.0	16.4	10.9
Tu	6.2	2.3	2.8	11.3	19.1	25.1	29.4	30.9	28.6	23.6	17.9	12.5
30	7.7	3.2	.5	7.0	16.0	22.2	27.4	30.4	29.7	25.4	19.5	14.1
W	8.9	4.6	2.2	7.4	16.5	22.6	27.5	30.5	29.9	25.9	20.2	14.8

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 14'N Long. 149° 54'W

OCTOBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	9.8	5.3	1.1	2.5	11.5	18.9	24.2	28.3	29.9	27.7	22.8	17.0
Th	11.7	7.2	3.7	4.6	13.0	20.6	25.3	29.1	30.3	27.6	22.5	16.7
2	11.7	7.3	3.1	.7	6.2	15.2	21.3	25.5	28.4	28.5	25.4	20.2
F	14.6	9.8	6.2	4.2	8.8	17.6	23.3	27.1	29.3	28.6	24.6	19.0
3	13.6	9.2	5.3	1.5	2.2	10.0	17.8	22.8	26.0	27.7	26.6	23.1
Sa	18.1	12.9	8.9	6.3	6.5	13.1	20.2	24.6	27.4	28.3	26.0	21.6
4	16.2	11.4	7.5	4.0	1.4	4.8	12.4	18.9	23.1	25.5	26.4	24.9
Su	21.5	17.1	12.4	9.2	7.5	9.6	15.7	20.8	24.4	26.3	26.2	23.5
5	19.3	14.7	10.5	7.0	3.8	2.6	6.9	13.1	18.7	22.1	24.3	25.1
M	23.9	21.0	17.3	13.2	10.5	9.4	11.9	15.9	19.8	22.8	24.4	24.0
6	21.9	18.4	14.5	10.8	7.6	4.5	4.1	7.6	12.4	17.2	20.6	23.0
Tu	24.3	23.8	21.7	18.4	14.8	12.1	11.0	12.2	14.4	17.8	20.7	22.5
7	22.8	21.5	18.8	15.5	12.0	8.7	5.6	4.9	6.8	10.8	15.5	19.3
W	22.5	24.5	24.6	23.1	19.9	16.2	13.0	11.2	10.6	12.1	15.7	19.1
8	21.7	22.9	22.4	20.2	16.9	13.3	9.6	6.2	4.6	5.4	9.3	14.5
Th	19.2	23.0	25.5	26.0	24.4	20.8	16.5	12.8	9.8	8.2	10.0	14.6
9	18.9	22.4	24.3	24.2	21.8	18.1	14.0	9.8	5.9	3.4	3.9	8.7
F	15.0	20.5	24.6	27.2	27.5	25.0	20.5	15.6	11.3	7.4	5.6	8.8
10	14.9	20.1	24.3	26.5	26.2	23.0	18.5	13.8	9.1	4.8	1.9	3.2
Sa	9.8	17.0	22.7	26.8	29.1	28.3	24.5	19.1	13.7	9.0	4.8	3.4
11	9.0	16.6	22.3	26.8	28.9	27.8	23.5	18.2	12.8	7.9	3.3	.5
Su	3.9	12.6	19.8	25.5	29.2	30.6	28.2	23.2	17.0	11.5	6.6	2.1
12	2.1	10.6	18.8	24.8	29.1	30.8	28.5	23.2	17.2	11.6	6.5	1.8
M	-.2	6.4	16.1	22.9	28.3	31.3	31.2	27.1	21.2	14.8	9.4	4.4
13	-.5	2.3	13.1	20.9	26.9	31.0	31.9	28.2	22.4	16.1	10.4	5.2
Tu	.5	.6	10.5	19.5	25.8	30.7	32.8	30.7	25.4	19.0	12.8	7.6
14	2.2	-2.4	4.0	15.5	22.7	28.4	32.1	32.0	27.4	21.3	14.9	9.1
W	4.0	-.3	3.3	15.0	22.5	28.3	32.5	33.2	29.2	23.2	16.8	11.1
15	5.9	-.2	-3.0	6.8	17.4	24.1	29.4	32.5	31.1	26.1	19.8	13.6
Th	7.9	3.0	.1	7.6	18.7	25.0	30.3	33.6	32.4	27.1	20.9	14.8
16	9.3	4.0	-2.2	-1.8	9.6	18.9	25.3	29.9	32.2	29.8	24.6	18.3
F	12.3	6.8	2.5	2.1	11.9	21.3	26.9	31.5	33.5	30.6	24.8	18.5
17	13.0	7.6	2.3	-2.9	.7	11.6	20.1	25.8	29.8	31.2	28.4	23.2
Sa	17.1	11.2	6.4	3.0	5.2	14.9	22.6	27.8	31.4	32.2	28.5	22.8
18	16.7	11.5	6.2	1.2	-2.1	3.2	12.7	20.6	25.6	29.0	29.8	27.3
Su	22.3	16.6	11.0	6.9	4.7	7.9	15.8	22.5	27.3	30.0	30.1	26.6
19	21.3	15.7	10.8	5.8	1.4	-.3	4.8	12.9	20.0	24.5	27.7	28.6
M	26.7	22.2	17.0	11.9	8.5	6.7	9.1	14.9	21.0	25.3	27.7	27.8
20	25.3	20.7	15.9	11.2	6.5	2.7	1.6	5.2	12.0	18.5	22.9	26.2
Tu	27.8	26.7	23.1	18.3	13.6	10.4	8.1	8.6	12.7	18.2	22.5	25.1
21	26.1	24.9	21.2	17.1	12.6	8.1	4.5	2.7	4.7	10.3	16.6	21.4
W	25.2	27.6	27.4	24.6	20.0	15.4	11.9	8.3	6.9	9.7	15.2	19.9
22	23.3	25.3	25.3	22.5	18.8	14.2	9.8	5.8	3.2	3.7	8.6	15.4
Th	20.6	24.8	27.9	28.5	26.0	21.3	16.4	12.1	7.4	4.7	6.8	13.1
23	18.5	22.6	25.5	26.3	24.0	20.3	15.5	10.8	6.4	3.1	2.5	8.1
F	15.4	20.9	25.4	28.8	29.4	26.6	21.3	16.2	11.2	5.9	2.3	5.1
24	12.6	18.6	23.2	26.5	27.4	25.0	20.9	15.8	10.7	6.3	2.5	2.2
Sa	9.4	16.8	22.4	26.6	29.8	29.5	25.8	20.1	14.6	9.5	4.2	.5
25	5.4	13.7	20.0	24.7	28.0	28.2	25.1	20.4	15.1	9.8	5.8	1.8
Su	3.7	12.2	19.3	24.5	28.3	30.3	28.5	23.8	17.7	12.3	7.5	2.1
26	.1	7.7	16.0	22.2	26.6	29.3	28.2	24.2	19.0	13.5	8.4	4.7
M	1.9	7.2	15.8	22.2	27.0	29.9	29.9	26.4	20.9	15.0	9.7	5.4
27	.2	1.9	11.1	18.6	24.6	28.5	29.9	27.4	22.5	17.1	11.5	7.0
Tu	3.5	3.9	11.9	19.4	25.2	29.2	30.6	28.4	23.6	17.8	12.2	7.4
28	2.9	-.4	5.5	14.5	21.3	26.7	29.8	29.6	25.8	20.3	14.9	9.5
W	5.5	3.3	7.9	16.5	22.7	27.8	30.6	30.0	26.0	20.3	14.8	9.6
29	5.0	.6	1.2	9.9	17.7	23.7	28.3	30.2	28.4	23.7	18.0	12.7
Th	7.8	4.3	5.0	13.0	20.4	25.5	29.6	30.7	28.1	22.8	17.0	11.9
30	7.1	2.6	-.2	4.9	14.0	20.5	25.6	29.1	29.5	26.4	21.1	15.6
F	10.6	6.5	4.4	8.8	17.6	23.3	27.5	30.1	29.4	25.1	19.4	13.9
31	9.2	4.8	.7	1.1	9.3	17.3	22.8	26.8	29.0	28.0	24.1	18.7
Sa	13.3	9.0	5.9	6.1	13.5	20.9	25.2	28.5	29.4	26.8	21.8	16.1

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

ANCHORAGE, ALASKA, 1981

Lat. 61° 14'N Long. 149° 54'W

NOVEMBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	11.2	6.9	3.0	.1	4.3	13.0	19.7	24.3	27.2	28.2	26.1	21.8
Su	16.7	11.7	8.2	6.3	9.3	17.1	22.5	26.0	28.1	27.5	23.8	18.8
2	13.6	9.1	5.4	1.9	1.3	7.8	15.4	21.1	24.7	26.8	26.8	24.4
M	20.2	15.4	11.1	8.4	7.7	12.4	18.6	22.6	25.5	26.6	25.0	21.2
3	16.6	12.1	8.1	4.9	2.0	3.5	10.1	16.3	21.3	24.2	25.9	25.6
Tu	23.3	19.5	15.2	11.5	9.2	9.5	14.0	18.2	21.6	23.9	24.7	23.0
4	19.7	15.7	11.8	8.3	5.2	3.0	5.5	10.8	16.2	20.6	23.4	25.1
W	25.0	23.0	19.7	15.8	12.4	10.1	10.5	13.4	16.5	19.8	22.1	23.2
5	22.1	19.6	16.1	12.5	9.3	6.1	4.2	6.3	10.3	15.4	19.6	22.8
Th	24.9	25.3	23.6	20.5	16.6	13.0	10.3	9.9	11.2	14.4	18.1	21.0
6	22.8	22.5	20.6	17.4	13.8	10.4	6.8	4.8	5.8	9.3	14.6	19.3
F	23.1	25.5	26.2	24.7	21.2	16.9	12.8	9.5	7.8	8.5	12.5	17.2
7	21.1	23.7	24.0	22.4	19.0	15.1	11.1	7.1	4.5	4.7	8.7	14.8
Sa	20.1	24.3	27.0	27.7	25.6	21.3	16.3	11.7	7.7	4.9	6.0	11.6
8	17.5	22.3	25.5	26.1	24.3	20.3	15.7	11.1	6.7	3.5	3.7	8.9
Su	16.1	21.8	26.3	28.9	29.1	25.8	20.6	14.9	9.9	5.3	2.1	4.3
9	12.0	18.8	24.2	27.6	28.3	25.8	21.1	15.7	10.6	5.8	2.4	3.2
M	10.4	18.4	24.2	28.7	30.8	29.8	25.2	19.1	13.0	8.0	3.0	-.5
10	3.7	13.3	20.4	26.2	29.6	30.0	26.5	21.1	15.2	9.9	4.8	1.4
Tu	3.7	13.3	21.0	26.7	30.9	32.3	29.6	23.9	17.3	11.4	6.2	.8
11	-2.5	4.5	15.1	22.1	27.9	31.1	30.8	26.5	20.6	14.4	9.0	4.0
W	.9	5.7	16.7	23.5	29.1	32.8	32.9	28.5	22.2	15.5	9.9	4.7
12	-1.3	-3.4	6.5	16.7	23.6	29.1	32.0	30.7	25.9	19.7	13.6	8.1
Th	3.3	1.1	9.0	19.7	25.7	31.1	33.9	32.4	26.8	20.3	14.0	8.5
13	3.1	-3.2	-2.6	8.9	18.2	24.9	29.9	32.3	30.0	24.9	18.5	12.6
F	7.2	2.7	2.4	12.7	22.0	27.6	32.4	34.1	30.9	24.8	18.4	12.6
14	7.0	1.5	-4.4	-.4	11.2	19.6	25.9	30.4	31.9	28.9	23.6	17.4
Sa	11.4	6.5	2.6	4.8	15.7	23.4	28.8	32.7	33.2	28.9	22.8	16.5
15	11.0	5.5	.1	-4.1	2.4	13.0	21.0	26.5	30.4	31.0	27.8	22.2
Su	16.3	10.5	6.3	3.3	7.5	17.2	24.0	28.9	31.9	31.4	26.9	20.8
16	15.1	9.6	4.4	-.6	-2.3	5.0	14.5	21.8	26.5	29.9	30.0	26.7
M	21.3	15.6	10.3	6.7	4.7	9.4	17.3	23.6	27.7	30.0	29.2	25.1
17	19.4	14.2	8.9	4.1	.0	.1	6.8	15.3	21.7	26.0	29.0	29.1
Tu	26.0	21.0	15.6	10.9	7.7	6.1	9.7	16.1	21.9	25.6	27.6	27.1
18	23.8	18.8	14.1	9.1	4.8	1.6	2.2	7.8	15.2	20.9	25.0	27.9
W	28.4	25.8	21.4	16.2	12.0	8.8	6.7	8.6	13.9	19.3	23.0	25.2
19	25.5	23.2	19.2	14.9	10.2	6.3	3.4	3.7	7.9	14.4	19.9	24.0
Th	27.1	28.0	26.1	22.2	17.2	13.1	9.4	6.3	6.7	11.1	16.6	20.7
20	23.5	24.7	23.5	20.3	16.3	11.8	7.9	4.9	4.4	7.5	13.6	19.2
F	23.5	26.8	28.2	26.7	22.9	17.9	13.5	9.1	5.0	4.4	8.7	14.9
21	19.4	22.9	24.9	24.4	21.7	17.7	13.1	8.9	5.7	4.5	7.1	13.6
Sa	19.3	23.6	27.0	28.6	27.0	22.9	17.6	12.9	7.9	3.4	2.3	7.6
22	14.4	19.4	23.3	25.7	25.6	22.8	18.5	13.7	9.1	5.9	4.3	7.5
Su	14.7	20.2	24.7	27.8	28.8	26.5	21.9	16.3	11.4	6.3	1.6	1.2
23	8.2	15.3	20.6	24.5	27.0	26.4	23.1	18.3	13.2	8.6	5.5	4.3
M	9.5	16.8	22.1	26.3	28.8	28.6	25.2	19.9	14.3	9.2	4.4	-.1
24	1.9	10.3	17.2	22.6	26.2	28.1	26.5	22.4	17.3	12.0	7.7	4.9
Tu	5.6	12.7	19.3	24.5	28.1	29.4	27.4	22.9	17.3	11.9	7.0	2.3
25	-.9	4.4	13.0	19.7	24.8	28.0	28.6	25.7	20.9	15.6	10.3	6.5
W	4.6	8.5	16.3	22.1	27.0	29.6	29.2	25.5	20.2	14.6	9.4	4.8
26	.3	.1	8.0	15.9	22.3	26.8	29.1	28.2	24.1	18.8	13.5	8.6
Th	5.4	5.6	12.5	19.6	24.9	28.9	30.2	27.9	22.9	17.3	12.0	7.0
27	2.6	-.9	3.0	11.8	18.9	24.6	28.4	29.4	26.9	22.0	16.6	11.4
F	7.2	4.8	8.4	16.6	22.4	27.1	30.0	29.6	25.7	20.1	14.6	9.5
28	4.8	.5	-.2	7.0	15.3	21.6	26.4	29.2	28.6	25.0	19.6	14.3
Sa	9.5	6.1	5.7	12.4	19.8	24.7	28.5	29.9	27.7	22.8	17.1	12.0
29	7.2	2.8	-.7	2.5	11.1	18.2	23.8	27.5	29.0	27.1	22.7	17.3
Su	12.2	8.2	5.6	8.2	16.3	22.0	26.2	28.8	28.6	25.1	19.8	14.4
30	9.5	5.1	1.2	-.1	6.4	14.4	20.7	25.2	27.9	28.1	25.2	20.5
M	15.3	10.6	7.4	6.2	11.6	18.8	23.2	26.7	28.0	26.5	22.2	17.0

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 14'N Long. 149° 54'W

DECEMBER

Predicted hourly heights in feet

Oay	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	12.1	7.5	3.7	.4	2.3	10.1	16.9	22.5	25.8	27.6	26.7	23.4
Tu	18.7	13.8	9.8	7.2	7.8	14.4	19.8	23.5	26.1	26.6	24.1	19.7
2	14.9	10.4	6.3	2.9	.8	5.4	12.6	18.6	23.3	25.9	26.9	25.5
W	22.0	17.5	13.0	9.6	7.4	9.5	15.4	19.6	22.9	25.0	25.0	22.2
3	18.2	13.7	9.6	6.0	2.9	2.3	7.8	13.9	19.5	23.4	25.8	26.3
Th	24.7	21.2	16.9	12.8	9.6	7.6	10.1	14.6	18.5	21.7	23.8	23.9
4	21.4	17.7	13.6	9.8	6.5	3.5	4.0	8.9	14.5	19.7	23.3	25.7
F	26.1	24.6	21.1	16.8	12.8	9.4	7.4	9.1	12.6	17.1	20.5	23.1
5	23.5	21.6	18.4	14.5	10.8	7.3	4.3	4.9	9.0	14.6	19.8	23.5
Sa	26.1	26.6	25.1	21.4	16.8	12.6	8.7	6.3	6.7	10.4	15.6	19.8
6	23.2	24.2	22.9	20.0	16.0	12.0	8.1	5.0	4.9	8.6	14.7	20.1
Su	24.3	27.0	27.7	26.0	21.7	16.6	11.9	7.6	4.3	3.9	8.3	14.7
7	19.8	23.9	25.5	24.8	21.8	17.5	13.0	8.7	5.0	4.3	8.2	15.2
M	21.1	25.5	28.5	29.1	26.7	21.6	16.0	10.8	6.1	2.0	1.3	6.8
8	14.6	20.5	25.2	27.2	26.8	23.5	18.7	13.5	8.8	4.6	3.7	8.3
Tu	16.5	22.4	27.2	30.2	30.4	27.0	21.2	15.0	9.6	4.6	-.1	-.8
9	6.3	15.1	21.5	26.5	28.9	28.4	24.6	19.2	13.6	8.6	4.1	3.3
W	9.2	18.3	24.0	29.1	31.8	31.2	26.6	20.3	13.9	8.6	3.3	-1.9
10	-2.2	6.9	15.9	22.7	27.8	30.2	29.2	25.0	19.0	13.4	8.0	3.7
Th	3.1	11.0	20.1	25.7	30.8	33.0	31.2	25.6	19.1	12.9	7.6	2.2
11	-3.6	-2.3	8.4	17.1	24.1	28.9	31.1	29.3	24.6	18.4	12.7	7.3
F	3.2	3.6	13.4	21.8	27.4	32.2	33.6	30.4	24.3	17.8	11.9	6.5
12	1.0	-4.9	-1.0	10.2	18.6	25.3	29.8	31.4	28.8	23.6	17.5	11.7
Sa	6.7	2.7	5.0	15.8	23.2	28.8	32.8	33.3	29.0	22.8	16.4	10.7
13	5.3	-.4	-5.2	1.5	12.2	20.3	26.4	30.5	31.2	27.9	22.3	16.3
Su	10.5	6.1	2.4	7.1	17.5	24.2	29.5	32.7	32.2	27.3	21.0	15.0
14	9.3	4.1	-1.7	-4.1	4.5	14.4	22.0	27.2	30.8	30.5	26.7	20.9
M	15.0	9.6	5.6	2.8	9.1	18.4	24.7	29.2	31.8	30.5	25.5	19.2
15	13.6	7.8	3.0	-2.2	-1.5	7.4	16.5	23.2	27.8	30.6	29.6	25.3
Tu	19.7	13.9	9.1	5.3	3.9	10.5	18.5	24.3	28.1	30.1	28.4	23.6
16	17.7	12.3	6.9	2.5	-1.3	1.6	10.0	18.1	23.8	27.9	29.9	28.5
W	24.1	18.7	13.2	9.1	5.4	5.1	10.8	17.7	22.9	26.3	27.9	26.3
17	22.0	16.7	11.6	6.8	2.8	.8	4.5	11.9	18.9	23.8	27.4	28.9
Th	27.4	23.2	18.2	13.1	9.4	5.9	5.7	10.2	16.2	21.0	24.2	25.7
18	24.6	21.0	16.5	11.9	7.6	4.2	3.2	6.7	12.9	19.0	23.4	26.6
F	27.9	26.5	22.8	18.1	13.4	9.6	6.2	5.4	8.8	14.1	18.9	22.2
19	23.9	23.6	21.0	17.2	13.0	8.9	6.0	5.3	8.0	13.1	18.7	22.8
Sa	25.8	27.1	26.0	22.6	18.1	13.5	9.7	5.9	4.5	6.9	12.3	17.4
20	20.9	23.0	23.5	21.9	18.5	14.4	10.5	7.5	6.6	8.4	13.1	18.6
Su	22.5	25.5	26.8	25.8	22.5	17.9	13.2	9.0	5.0	3.0	5.2	11.3
21	16.7	20.5	23.1	24.4	23.2	19.9	15.6	11.5	8.2	7.0	8.4	13.5
M	18.8	22.8	25.8	26.9	25.6	22.0	17.2	12.3	7.8	3.6	1.4	4.5
22	11.5	17.0	21.3	24.2	25.7	24.3	20.6	16.1	11.6	8.1	6.8	8.6
Tu	14.6	19.7	23.8	26.6	27.2	25.1	20.9	15.8	10.9	6.1	1.9	.2
23	5.3	12.6	18.4	22.8	25.8	26.9	24.7	20.4	15.7	10.9	7.5	6.4
W	9.9	16.5	21.3	25.5	27.7	27.3	24.0	19.2	14.0	9.0	4.4	.2
24	.2	7.3	14.6	20.5	24.8	27.4	27.3	24.1	19.3	14.3	9.5	6.5
Th	6.5	12.4	18.7	23.5	27.3	28.6	26.7	22.4	17.2	12.0	7.0	2.5
25	-1.2	1.9	10.2	17.2	22.9	26.8	28.4	26.8	22.6	17.5	12.4	8.1
F	5.6	8.1	15.4	21.2	25.8	28.8	28.8	25.4	20.3	14.9	9.8	5.1
26	.5	-1.3	5.0	13.3	20.0	25.2	28.4	28.5	25.4	20.5	15.2	10.3
Sa	6.6	5.4	11.0	18.3	23.5	27.7	29.6	28.1	23.5	18.0	12.7	7.6
27	3.1	-1.1	.5	8.7	16.5	22.7	27.0	29.1	27.7	23.5	18.2	12.9
Su	8.5	5.4	6.8	14.4	20.7	25.6	28.8	29.4	26.4	21.2	15.6	10.4
28	5.5	1.2	-1.4	4.0	12.3	19.5	24.7	28.2	28.9	26.1	21.3	15.9
M	10.8	7.1	4.9	9.6	17.3	22.6	26.9	29.0	28.2	24.1	18.7	13.3
29	8.1	3.6	-.4	.4	8.0	15.6	22.1	26.2	28.6	27.9	24.2	19.2
Tu	13.8	9.2	5.9	5.8	12.9	19.4	23.9	27.3	28.4	26.2	21.5	16.1
30	11.0	6.1	2.0	-.7	3.8	11.8	18.5	24.0	27.2	28.4	26.3	22.1
W	17.1	12.0	8.0	5.2	7.6	15.4	20.5	24.6	27.1	27.2	23.9	19.0
31	13.9	9.0	4.6	.9	.6	7.7	14.9	20.9	25.3	27.7	27.5	24.7
Th	20.2	15.2	10.6	7.1	5.0	9.5	16.4	21.0	24.5	26.5	25.7	21.9

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

NIKISHKA, ALASKA, 1981

Lat. 60° 41'N Long. 151° 24'W

JANUARY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	16.0	15.8	14.4	12.6	10.7	8.5	7.2	7.6	9.5	12.0	14.6	17.1
Th	18.6	18.3	16.3	13.5	10.5	7.1	3.9	2.5	3.2	5.5	8.6	12.2
2	15.4	16.9	16.6	15.0	13.0	10.7	8.3	7.0	7.8	10.1	12.9	15.8
F	18.2	19.2	18.2	15.7	12.5	9.0	5.2	2.1	1.1	2.7	5.8	9.6
3	13.7	16.8	18.0	17.2	15.2	12.7	10.0	7.5	6.6	8.2	11.2	14.4
Sa	17.3	19.4	19.7	17.9	14.7	10.9	6.9	3.0	.2	.3	3.0	7.0
4	11.5	15.6	18.3	18.8	17.3	14.7	11.7	8.7	6.4	6.3	8.9	12.6
Su	16.2	19.0	20.4	19.8	17.1	13.2	8.8	4.5	.7	-1.2	.2	4.1
5	9.0	13.7	17.6	19.6	19.2	16.9	13.6	10.2	7.1	5.4	6.4	10.0
M	14.4	18.1	20.5	21.1	19.4	15.8	11.2	6.5	2.1	-1.3	-1.9	.9
6	6.0	11.4	16.0	19.3	20.4	19.0	15.9	12.1	8.4	5.5	4.6	6.9
Tu	11.5	16.3	19.8	21.6	21.2	18.6	14.2	9.0	4.1	-.1	-2.6	-1.8
7	2.4	8.3	13.8	18.1	20.6	20.6	18.3	14.5	10.3	6.7	4.2	4.4
W	7.8	13.1	17.9	21.0	22.1	20.8	17.3	12.3	6.9	2.0	-1.7	-3.0
8	-.8	4.5	10.8	16.0	19.7	21.2	20.3	17.2	12.9	8.6	5.1	3.4
Th	4.6	8.9	14.5	19.1	21.6	21.9	19.9	15.8	10.5	5.0	.5	-2.4
9	-2.6	.8	6.9	13.0	17.8	20.6	21.3	19.6	15.9	11.3	7.1	4.1
F	3.0	5.1	10.0	15.5	19.5	21.4	21.1	18.7	14.3	8.9	3.8	-.1
10	-2.1	-1.3	3.0	9.2	14.9	18.8	20.9	20.9	18.6	14.6	10.1	6.1
Sa	3.6	3.1	5.7	10.6	15.7	19.1	20.5	20.0	17.4	13.1	8.0	3.4
11	.3	-.9	.6	5.2	11.1	16.1	19.3	20.8	20.3	17.7	13.6	9.2
Su	5.7	3.5	3.4	6.1	10.7	15.1	18.0	19.2	18.7	16.3	12.3	7.8
12	4.0	1.5	.8	2.7	7.2	12.4	16.6	19.3	20.4	19.7	16.9	13.0
M	8.9	5.7	3.7	3.5	5.9	10.0	13.8	16.5	17.8	17.7	15.7	12.3
13	8.4	5.3	3.3	2.8	4.6	8.6	13.2	16.7	19.1	20.0	19.2	16.6
Tu	12.8	9.1	6.0	3.8	3.3	5.2	8.7	12.2	14.9	16.7	17.2	15.8
14	12.9	9.7	7.1	5.2	4.5	6.0	9.4	13.3	16.5	18.9	19.9	19.2
W	16.6	13.0	9.4	6.2	3.5	2.5	3.9	7.0	10.5	13.7	16.2	17.3
15	16.4	14.1	11.3	8.9	6.7	5.6	6.7	9.7	13.2	16.4	19.0	20.2
Th	19.5	17.0	13.4	9.7	6.0	2.7	1.2	2.3	5.5	9.3	13.2	16.4
16	18.0	17.5	15.5	12.8	10.2	7.6	6.0	6.7	9.6	13.2	16.7	19.5
F	20.9	20.1	17.4	13.7	9.6	5.3	1.4	-.4	.9	4.4	8.9	13.6
17	17.4	19.2	18.8	16.6	13.8	10.7	7.5	5.6	6.4	9.5	13.4	17.3
Sa	20.4	21.7	20.6	17.6	13.5	8.9	4.0	-.2	-1.8	.0	4.3	9.5
18	14.8	18.8	20.5	19.8	17.3	14.0	10.3	6.7	4.8	6.0	9.7	14.1
Su	18.4	21.5	22.4	20.9	17.4	12.8	7.7	2.3	-1.9	-2.8	.0	5.1
19	11.0	16.5	20.4	21.6	20.2	17.2	13.4	9.2	5.4	4.0	6.0	10.3
M	15.2	19.6	22.4	22.8	20.6	16.5	11.4	5.9	.5	-3.1	-2.9	1.0
20	6.8	13.0	18.4	21.7	22.2	20.1	16.4	12.1	7.6	4.1	3.5	6.4
Tu	11.4	16.5	20.7	22.9	22.6	19.7	15.1	9.6	4.0	-1.0	-3.6	-2.1
21	2.8	9.1	15.3	20.1	22.6	22.1	19.2	14.9	10.3	5.9	3.0	3.5
W	7.3	12.6	17.6	21.3	22.9	21.8	18.3	13.2	7.7	2.3	-1.9	-3.2
22	-.4	5.3	11.6	17.3	21.3	22.8	21.3	17.7	13.1	8.5	4.5	2.5
Th	4.0	8.5	13.9	18.4	21.5	22.2	20.4	16.4	11.2	5.8	1.1	-2.0
23	-1.9	2.0	8.0	13.9	18.8	21.9	22.3	20.0	16.0	11.3	6.9	3.6
F	2.6	5.0	9.8	14.8	18.6	20.9	21.0	18.6	14.4	9.3	4.5	.7
24	-1.2	.2	4.8	10.5	15.7	19.6	21.7	21.2	18.4	14.1	9.7	5.8
Sa	3.3	3.2	6.2	10.8	15.1	18.2	19.7	19.3	16.7	12.5	7.9	4.0
25	1.2	.5	2.8	7.5	12.6	16.8	19.7	20.8	19.7	16.6	12.5	8.5
Su	5.4	3.6	4.2	7.3	11.3	14.7	17.1	18.2	17.5	15.0	11.1	7.3
26	4.4	2.6	2.7	5.5	9.8	14.0	17.1	19.1	19.6	18.2	15.0	11.3
M	8.0	5.5	4.3	5.1	7.9	11.2	13.8	15.6	16.6	16.0	13.7	10.5
27	7.6	5.5	4.5	5.1	7.8	11.4	14.5	16.8	18.2	18.4	16.8	13.9
Tu	10.7	8.0	6.0	4.9	5.6	7.9	10.4	12.4	14.1	15.2	14.9	13.1
28	10.7	8.6	7.2	6.5	7.1	9.4	12.2	14.5	16.2	17.3	17.4	15.9
W	13.3	10.6	8.3	6.4	5.2	5.5	7.2	9.2	11.1	13.0	14.4	14.6
29	13.3	11.5	9.9	8.8	8.1	8.4	10.2	12.4	14.2	15.7	16.8	16.9
Th	15.5	13.1	10.7	8.5	6.4	4.8	4.8	6.2	8.0	10.2	12.6	14.5
30	14.9	14.0	12.6	11.2	9.9	8.9	8.9	10.4	12.3	14.0	15.6	16.9
F	16.9	15.5	13.2	10.8	8.3	5.6	3.7	3.6	5.1	7.3	10.1	13.1
31	15.3	15.9	15.0	13.5	12.0	10.2	8.7	8.6	10.1	12.2	14.2	16.2
Sa	17.5	17.4	15.7	13.2	10.3	7.3	4.1	2.1	2.4	4.5	7.4	10.9

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 60° 41'N Long. 151° 24'W

FEBRUARY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	14.4	16.6	17.0	15.8	14.0	11.8	9.5	7.8	7.9	9.9	12.6	15.2
Su	17.4	18.6	18.0	15.8	12.6	9.2	5.5	2.1	.4	1.6	4.6	8.5
2	12.7	16.3	18.2	18.0	16.1	13.6	10.8	8.0	6.4	7.2	10.1	13.6
M	16.7	19.0	19.7	18.4	15.4	11.5	7.3	3.2	-.2	-.9	1.5	5.8
3	10.5	15.0	18.3	19.5	18.4	15.7	12.4	8.9	5.9	4.9	6.9	10.9
Tu	15.1	18.6	20.6	20.7	18.4	14.5	9.7	5.0	.6	-2.1	-1.5	2.4
4	7.8	13.1	17.6	20.2	20.4	18.2	14.5	10.5	6.6	3.9	3.8	7.2
W	12.2	17.0	20.4	22.0	21.1	17.8	13.0	7.6	2.5	-1.6	-3.3	-1.1
5	4.2	10.4	15.9	19.9	21.6	20.6	17.3	12.8	8.2	4.3	2.1	3.4
Th	8.0	13.8	18.8	21.9	22.7	20.9	16.7	11.1	5.3	.3	-3.2	-3.5
6	.3	6.7	13.3	18.5	21.6	22.2	20.1	15.8	10.7	5.9	2.3	1.0
F	3.5	9.1	15.3	20.1	22.6	22.7	20.0	15.1	9.1	3.4	-1.2	-3.6
7	-2.5	2.6	9.5	15.9	20.4	22.6	22.1	19.0	14.0	8.6	4.0	.9
Sa	.7	4.2	10.3	16.4	20.6	22.6	21.9	18.7	13.5	7.5	2.2	-1.6
8	-2.9	-.5	5.3	12.2	17.9	21.5	22.7	21.3	17.5	12.3	7.0	2.7
Su	.4	.9	5.1	11.2	16.7	20.3	21.7	20.7	17.2	12.1	6.6	2.0
9	-.8	-1.1	2.1	8.1	14.4	19.1	21.7	22.1	20.1	16.0	10.8	6.0
M	2.4	.6	1.6	5.8	11.5	16.2	19.2	20.2	19.1	15.9	11.2	6.5
10	2.9	.9	1.3	4.8	10.3	15.7	19.3	21.2	21.1	18.9	14.8	10.1
Tu	5.8	2.7	1.2	2.3	6.1	10.9	14.9	17.5	18.6	17.8	15.1	11.2
11	7.4	4.7	3.3	3.8	7.0	11.7	16.0	18.8	20.3	20.0	17.9	14.2
W	10.1	6.4	3.6	2.0	2.7	5.8	9.7	13.1	15.7	17.1	16.9	15.0
12	11.9	9.1	6.9	5.6	5.9	8.4	12.1	15.5	17.9	19.3	19.2	17.5
Th	14.3	10.7	7.4	4.5	2.5	2.5	4.8	8.0	11.2	14.2	16.3	16.8
13	15.6	13.3	11.0	9.0	7.3	7.0	8.7	11.7	14.5	16.9	18.6	19.0
F	17.7	14.9	11.7	8.4	5.0	2.3	1.7	3.4	6.4	9.9	13.6	16.4
14	17.5	16.7	14.9	12.7	10.4	8.1	7.1	8.2	10.8	13.6	16.4	18.6
Sa	19.4	18.3	15.8	12.5	8.9	4.8	1.4	.5	2.1	5.4	9.6	13.9
15	17.3	18.7	18.1	16.2	13.7	10.7	7.7	6.3	7.3	10.0	13.2	16.6
Su	19.2	20.2	19.0	16.4	12.8	8.5	3.8	.1	-.7	1.4	5.4	10.3
16	15.2	18.8	20.0	19.1	16.8	13.7	9.9	6.4	5.0	6.4	9.6	13.6
M	17.5	20.3	21.0	19.5	16.4	12.2	7.3	2.2	-1.3	-1.5	1.6	6.4
17	12.0	17.2	20.4	21.1	19.5	16.5	12.6	8.2	4.6	3.7	6.0	10.0
Tu	14.6	18.8	21.4	21.5	19.4	15.6	10.8	5.4	.3	-2.4	-1.3	2.9
18	8.5	14.4	19.3	21.8	21.5	19.0	15.2	10.6	6.0	2.8	3.0	6.4
W	11.2	16.1	20.1	22.1	21.5	18.5	13.9	8.7	3.2	-1.3	-2.7	-.1
19	5.2	11.3	17.0	21.1	22.5	21.1	17.6	13.1	8.2	3.8	1.6	3.1
Th	7.5	12.8	17.7	21.2	22.3	20.7	16.8	11.8	6.4	1.3	-2.1	-1.9
20	2.1	8.1	14.2	19.2	22.2	22.4	19.8	15.5	10.6	5.8	2.0	1.1
F	3.9	9.1	14.5	18.9	21.6	21.8	19.2	14.7	9.4	4.3	.0	-1.9
21	.0	5.1	11.2	16.7	20.8	22.5	21.4	17.8	13.0	8.1	3.8	1.1
Sa	1.6	5.4	10.8	15.8	19.5	21.3	20.5	17.2	12.4	7.3	2.8	-.2
22	-.6	2.7	8.3	14.0	18.5	21.3	21.8	19.6	15.5	10.6	6.1	2.6
Su	1.1	2.7	7.1	12.3	16.6	19.3	20.2	18.7	15.1	10.3	5.8	2.4
23	.7	1.7	5.7	11.2	16.1	19.4	21.0	20.4	17.5	13.1	8.6	4.8
M	2.3	1.8	4.2	8.7	13.2	16.5	18.4	18.6	16.8	13.2	9.0	5.4
24	3.1	2.5	4.4	8.7	13.5	17.1	19.2	19.8	18.5	15.4	11.2	7.3
Tu	4.4	2.8	3.0	5.7	9.7	13.2	15.6	16.9	16.9	15.0	11.9	8.4
25	5.9	4.6	4.8	7.1	11.1	14.8	17.2	18.3	18.3	16.7	13.6	10.0
W	6.9	4.8	3.8	4.2	6.6	9.8	12.4	14.2	15.3	15.3	13.9	11.3
26	8.8	7.2	6.6	7.1	9.3	12.5	15.1	16.5	17.1	16.8	15.3	12.6
Th	9.6	7.2	5.6	4.7	5.0	6.8	9.2	11.2	12.8	14.1	14.5	13.5
27	11.7	9.9	8.9	8.4	8.8	10.4	12.8	14.6	15.5	16.0	15.9	14.6
F	12.4	9.9	7.9	6.3	5.1	4.9	6.3	8.1	9.9	11.8	13.5	14.4
28	13.9	12.6	11.3	10.3	9.6	9.4	10.5	12.3	13.8	14.8	15.6	15.7
Sa	14.7	12.7	10.5	8.4	6.5	4.7	4.1	5.2	7.0	9.2	11.6	14.0

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

NIKISHKA, ALASKA, 1981

Lat. 60° 41'N Long. 151° 24'W

MARCH

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	15.2	14.9	13.7	12.3	11.0	9.6	8.9	9.8	11.5	13.2	14.7	16.0
Su	16.4	15.4	13.3	10.9	8.4	5.7	3.4	2.7	4.0	6.4	9.3	12.6
2	15.3	16.6	16.1	14.6	12.7	10.6	8.5	7.6	8.6	10.8	13.2	15.5
M	17.2	17.6	16.3	13.8	10.7	7.4	4.0	1.4	1.2	3.3	6.7	10.6
3	14.4	17.2	18.1	17.0	14.7	12.0	9.0	6.5	5.8	7.6	10.8	14.1
Tu	17.0	18.9	19.0	17.0	13.7	9.7	5.6	1.7	-.6	.1	3.5	8.1
4	12.9	16.9	19.3	19.3	17.2	13.9	10.3	6.6	4.0	4.1	7.1	11.5
W	15.8	19.1	20.8	20.1	17.2	12.8	8.0	3.3	-.7	-2.2	.0	4.9
5	10.5	15.7	19.6	21.1	19.9	16.6	12.3	7.8	3.8	1.6	2.9	7.4
Th	12.9	17.8	21.2	22.3	20.6	16.6	11.3	5.8	.8	-2.7	-2.8	1.0
6	7.2	13.5	18.7	21.8	22.2	19.7	15.2	10.0	5.0	1.1	-.1	2.6
F	8.3	14.6	19.7	22.7	23.0	20.4	15.5	9.5	3.6	-1.2	-3.7	-2.3
7	3.1	10.2	16.6	21.2	23.3	22.3	18.6	13.2	7.4	2.4	-1.0	-1.1
Sa	3.0	9.7	16.3	21.2	23.5	23.0	19.5	13.9	7.6	1.9	-2.2	-3.5
8	-.5	5.9	13.2	19.2	22.9	23.8	21.6	17.0	11.0	5.1	.4	-2.2
Su	-1.1	4.0	11.1	17.5	21.7	23.4	22.1	18.0	12.2	6.2	1.1	-2.0
9	-2.0	2.1	9.0	15.9	20.9	23.5	23.3	20.3	15.1	9.0	3.5	-.7
M	-2.4	-.3	5.3	12.1	17.8	21.3	22.4	20.7	16.5	11.0	5.5	1.4
10	-.7	.3	5.0	11.7	17.6	21.5	23.1	22.1	18.6	13.3	7.7	2.8
Tu	-.6	-1.6	.9	6.4	12.4	17.2	20.1	20.8	19.0	15.2	10.3	5.9
11	2.7	1.4	3.0	7.7	13.5	18.2	21.0	21.8	20.5	17.0	12.2	7.2
W	3.1	.3	-.3	2.1	6.9	11.9	15.8	18.3	19.0	17.6	14.5	10.6
12	7.1	4.8	4.0	5.5	9.5	14.1	17.7	19.7	20.2	19.0	15.9	11.8
Th	7.7	4.3	1.8	1.1	2.9	6.7	10.6	13.9	16.4	17.6	16.8	14.5
13	11.6	9.0	7.1	6.2	7.2	10.2	13.6	16.3	18.0	18.7	17.9	15.6
F	12.3	9.0	5.9	3.3	2.0	3.0	5.8	9.0	12.2	15.0	16.8	16.8
14	15.3	13.1	11.0	9.0	7.6	7.8	9.8	12.3	14.6	16.5	17.8	17.6
Sa	16.0	13.3	10.4	7.3	4.2	2.2	2.5	4.6	7.6	11.0	14.5	16.9
15	17.5	16.5	14.7	12.5	10.0	7.8	7.3	8.6	10.7	13.2	15.7	17.6
Su	18.1	16.8	14.5	11.6	8.1	4.2	1.6	1.5	3.5	6.8	10.9	15.0
16	17.8	18.7	17.7	15.8	13.2	9.8	6.9	5.9	7.1	9.5	12.5	15.8
M	18.2	18.9	17.8	15.3	12.0	7.8	3.4	.6	.6	3.1	7.1	11.9
17	16.5	19.3	19.8	18.5	16.0	12.6	8.5	5.1	4.3	5.9	9.0	12.9
Tu	16.8	19.4	19.8	18.3	15.3	11.4	6.6	1.9	-.5	.3	3.7	8.6
18	13.9	18.4	20.7	20.5	18.4	15.1	10.9	6.3	3.1	3.0	5.6	9.6
W	14.2	18.2	20.5	20.4	18.1	14.4	9.8	4.6	.3	-1.1	1.1	5.5
19	11.0	16.4	20.4	21.7	20.4	17.3	13.2	8.3	3.7	1.4	2.5	6.3
Th	11.1	16.0	19.8	21.3	20.2	17.0	12.6	7.6	2.5	-.9	-.7	2.9
20	8.2	13.9	18.9	21.8	21.8	19.3	15.2	10.5	5.5	1.5	.4	3.0
F	7.8	13.1	17.9	21.0	21.4	19.2	15.1	10.2	5.2	.8	-1.1	.8
21	5.6	11.4	16.8	20.8	22.3	21.0	17.3	12.5	7.5	2.9	.0	.5
Sa	4.4	9.9	15.2	19.4	21.4	20.7	17.5	12.9	7.9	3.3	.1	-.2
22	3.3	8.9	14.6	19.1	21.8	21.9	19.2	14.7	9.6	4.8	1.0	-.5
Su	1.5	6.4	12.1	16.8	20.1	21.1	19.3	15.5	10.6	5.9	2.2	.4
23	1.8	6.4	12.1	17.1	20.5	21.7	20.5	16.9	11.9	7.0	2.8	.1
M	.0	3.3	8.6	13.8	17.7	19.9	19.9	17.5	13.3	8.7	4.8	2.2
24	1.8	4.4	9.6	14.8	18.7	20.7	20.7	18.4	14.3	9.4	5.0	1.8
Tu	.3	1.3	5.3	10.4	14.7	17.7	19.0	18.3	15.6	11.6	7.6	4.6
25	3.2	3.9	7.3	12.3	16.6	19.1	19.9	18.9	16.1	12.0	7.6	4.0
W	1.8	1.2	3.0	7.0	11.5	14.8	16.8	17.6	16.6	14.0	10.4	7.3
26	5.4	4.9	6.4	9.9	14.1	17.2	18.5	18.4	17.0	14.1	10.3	6.6
Th	4.0	2.6	2.6	4.5	8.1	11.7	14.1	15.5	16.1	15.2	13.0	10.1
27	7.9	6.8	6.9	8.4	11.6	14.9	16.8	17.3	16.8	15.4	12.8	9.5
F	6.6	4.7	3.7	3.8	5.5	8.4	11.1	12.9	14.2	14.9	14.4	12.7
28	10.6	9.1	8.4	8.4	9.7	12.1	14.5	15.7	15.9	15.6	14.5	12.3
Sa	9.6	7.3	5.7	4.6	4.4	5.6	7.9	10.1	11.8	13.5	14.6	14.5
29	13.2	11.6	10.3	9.5	9.1	9.8	11.7	13.5	14.5	15.0	15.2	14.5
Su	12.7	10.3	8.1	6.4	4.9	4.1	4.9	7.0	9.1	11.3	13.6	15.1
30	15.3	14.2	12.5	11.0	9.7	8.6	8.8	10.4	12.3	13.7	15.0	15.7
M	15.3	13.6	11.1	8.7	6.4	4.2	3.0	3.8	6.1	8.9	11.8	14.7
31	16.5	16.5	15.1	13.1	10.9	8.7	7.0	7.1	9.0	11.5	13.8	15.9
Tu	17.0	16.6	14.6	11.7	8.6	5.5	2.7	1.5	2.8	5.9	9.6	13.4

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 60° 41'N Long. 151° 24'W

APRIL

Predicted hourly heights in feet

Oay	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	16.7	18.3	17.8	15.6	12.7	9.7	6.6	4.7	5.2	7.9	11.5	14.9
W	17.6	18.9	18.1	15.4	11.7	7.7	3.8	.7	.0	2.4	6.7	11.5
2	15.9	19.1	20.0	18.6	15.4	11.4	7.4	3.8	2.1	3.6	7.6	12.3
Th	16.6	19.7	20.7	19.1	15.5	10.9	6.2	1.8	-1.1	-.8	3.0	8.6
3	14.1	18.7	21.4	21.3	18.6	14.2	9.3	4.5	.8	-.1	2.7	8.1
F	13.9	18.8	21.8	22.1	19.5	15.0	9.5	4.3	-.1	-2.3	-.5	4.8
4	11.3	17.2	21.4	23.1	21.7	17.7	12.3	6.6	1.5	-1.8	-1.6	2.7
Sa	9.3	15.7	20.7	23.2	22.7	19.2	13.8	7.9	2.5	-1.5	-2.4	.9
5	7.3	14.3	20.0	23.5	23.9	21.2	16.1	9.9	3.9	-1.0	-3.6	-2.1
Su	3.5	10.8	17.4	22.0	23.8	22.5	18.3	12.4	6.4	1.4	-1.8	-1.5
6	3.1	10.3	17.2	22.1	24.5	23.7	19.9	14.1	7.7	1.7	-2.7	-4.3
M	-1.6	4.8	12.2	18.5	22.4	23.5	21.5	17.0	11.1	5.5	1.1	-1.1
7	.4	5.9	13.0	19.2	23.1	24.3	22.6	18.2	12.2	5.9	.5	-3.2
Tu	-3.9	-.3	6.3	13.2	18.7	22.0	22.5	20.2	15.6	10.2	5.3	1.7
8	.5	2.9	8.5	15.0	20.1	22.9	23.2	20.9	16.4	10.6	4.9	.3
W	-2.6	-2.6	1.3	7.4	13.5	18.1	20.7	21.0	18.7	14.6	9.9	5.9
9	3.2	2.7	5.3	10.5	15.9	19.7	21.6	21.5	19.2	14.9	9.8	5.0
Th	1.1	-1.2	-.8	2.7	8.0	12.9	16.7	19.1	19.4	17.6	14.2	10.4
10	7.2	5.1	4.8	7.2	11.5	15.6	18.3	19.8	19.6	17.6	14.1	9.9
F	6.0	2.7	.6	.8	3.7	7.8	11.8	15.2	17.5	18.2	17.0	14.4
11	11.5	8.9	7.0	6.5	8.1	11.3	14.2	16.4	17.8	18.0	16.7	14.0
Sa	10.7	7.5	4.6	2.3	2.0	4.0	7.1	10.5	13.7	16.5	17.7	17.1
12	15.2	12.9	10.6	8.4	7.2	8.0	10.1	12.3	14.3	16.2	17.1	16.6
Su	14.6	12.0	9.2	6.1	3.4	2.4	3.6	6.2	9.4	13.0	16.2	17.9
13	17.8	16.3	14.1	11.6	8.8	6.8	6.9	8.4	10.4	12.9	15.4	17.0
M	17.1	15.6	13.2	10.4	6.8	3.6	2.1	3.1	5.5	9.1	13.2	16.8
14	18.8	18.7	17.1	14.7	11.6	8.0	5.5	5.2	6.7	9.2	12.4	15.6
Tu	17.7	17.9	16.4	14.0	10.7	6.6	3.0	1.5	2.7	5.6	9.8	14.4
15	18.2	19.9	19.4	17.4	14.4	10.5	6.3	3.7	3.7	5.7	8.9	12.9
W	16.6	18.7	18.7	16.8	13.9	10.0	5.5	2.0	1.1	3.0	6.7	11.5
16	16.3	19.7	20.8	19.5	16.7	13.0	8.4	4.0	1.8	2.7	5.7	9.8
Th	14.4	18.1	19.7	19.0	16.5	12.9	8.6	4.0	1.0	1.3	4.3	8.8
17	14.0	18.5	21.1	21.0	18.7	15.0	10.6	5.7	1.7	.6	2.7	6.7
F	11.6	16.3	19.5	20.3	18.6	15.3	11.2	6.6	2.5	.7	2.4	6.6
18	11.7	16.7	20.4	21.7	20.3	16.9	12.5	7.7	2.9	-.1	.2	3.7
Sa	8.6	13.8	18.2	20.5	20.2	17.5	13.5	9.1	4.7	1.6	1.3	4.5
19	9.5	14.7	19.0	21.5	21.4	18.7	14.4	9.5	4.7	.6	-1.0	.9
Su	5.6	11.0	15.9	19.5	20.8	19.3	15.8	11.4	7.1	3.4	1.5	2.9
20	7.3	12.6	17.3	20.6	21.7	20.2	16.4	11.5	6.6	2.2	-.8	-.9
M	2.5	7.8	13.2	17.5	20.1	20.3	17.9	13.9	9.5	5.6	2.8	2.4
21	5.2	10.3	15.5	19.2	21.2	20.9	18.2	13.8	8.7	4.1	.6	-1.2
Tu	.2	4.6	10.1	14.9	18.4	19.9	19.2	16.2	12.1	8.0	4.8	3.2
22	4.0	7.9	13.1	17.5	20.1	20.7	19.3	15.9	11.2	6.4	2.5	-.1
W	-.6	1.9	6.7	11.9	15.9	18.4	19.1	17.7	14.5	10.6	7.1	4.9
23	4.3	6.1	10.4	15.2	18.5	19.9	19.5	17.4	13.6	9.1	4.9	1.8
Th	.2	.6	3.8	8.6	13.0	16.0	17.7	17.9	16.3	13.2	9.7	7.0
24	5.6	5.8	8.2	12.4	16.3	18.5	18.9	17.9	15.5	11.8	7.7	4.2
F	2.0	1.1	2.1	5.4	9.7	13.2	15.5	16.7	16.7	15.1	12.4	9.5
25	7.5	6.7	7.3	9.7	13.4	16.3	17.6	17.5	16.3	14.0	10.7	7.2
Sa	4.4	2.8	2.3	3.4	6.4	10.0	12.8	14.7	15.8	15.9	14.6	12.2
26	9.9	8.4	7.8	8.3	10.4	13.4	15.5	16.3	16.2	15.3	13.3	10.4
Su	7.4	5.1	3.7	3.2	4.1	6.7	9.8	12.2	14.0	15.4	15.7	14.7
27	12.6	10.5	9.1	8.3	8.4	10.1	12.5	14.3	15.1	15.4	15.0	13.4
M	10.9	8.2	6.0	4.4	3.5	4.1	6.4	9.3	11.8	14.0	15.8	16.3
28	15.3	13.2	11.1	9.3	7.9	7.5	8.8	11.1	13.1	14.5	15.5	15.6
Tu	14.3	11.8	9.0	6.6	4.5	3.1	3.6	5.9	9.0	12.0	14.9	16.9
29	17.4	16.1	13.7	11.1	8.6	6.5	5.7	7.0	9.7	12.4	14.7	16.5
W	16.9	15.5	12.7	9.6	6.6	3.9	2.2	2.8	5.6	9.4	13.2	16.6
30	18.7	18.7	16.8	13.6	10.2	6.9	4.2	3.4	5.2	8.7	12.5	15.9
Th	18.2	18.5	16.7	13.4	9.6	6.0	2.7	1.0	2.2	6.0	10.7	15.2

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

NIKISHKA, ALASKA, 1981

Lat. 60° 41'N Long. 151° 24'W

MAY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	18.9	20.6	19.8	16.9	12.8	8.5	4.5	1.4	1.0	3.9	8.6	13.4
F	17.6	20.1	20.1	17.6	13.6	9.1	4.9	1.4	.1	2.4	7.3	12.9
2	17.8	21.2	22.2	20.4	16.3	11.3	6.2	1.6	-1.3	-.8	3.4	9.2
Sa	15.0	19.5	21.8	21.2	18.0	13.2	8.2	3.6	.3	-.1	3.4	9.3
3	15.5	20.5	23.3	23.1	20.1	15.0	9.2	3.6	-1.2	-3.5	-1.7	3.7
Su	10.5	16.7	21.2	23.0	21.6	17.7	12.4	7.1	2.5	-.3	.4	5.2
4	11.9	18.1	22.6	24.5	23.2	19.1	13.3	6.9	1.1	-3.3	-4.7	-1.7
M	4.7	12.0	18.2	22.3	23.4	21.4	16.9	11.4	6.1	1.9	-.1	1.8
5	7.4	14.3	20.2	23.9	24.7	22.5	17.6	11.4	5.0	-.6	-4.5	-4.8
Tu	-.8	6.2	13.4	19.2	22.7	23.1	20.6	15.9	10.5	5.5	1.9	.8
6	3.6	9.7	16.3	21.4	24.1	24.0	21.1	15.9	9.7	3.6	-1.5	-4.5
W	-4.0	.7	7.7	14.3	19.4	22.3	22.2	19.5	14.9	9.9	5.5	2.5
7	2.3	5.6	11.5	17.3	21.4	23.3	22.6	19.4	14.4	8.5	3.1	-1.3
Th	-3.6	-2.4	2.4	8.8	14.6	19.0	21.3	21.1	18.4	14.2	9.8	6.1
8	3.7	3.9	7.4	12.6	17.3	20.4	21.7	20.8	17.8	13.2	8.1	3.4
F	-.2	-2.0	-.5	4.0	9.4	14.3	18.0	20.1	19.9	17.6	13.9	10.2
9	7.1	5.1	5.4	8.4	12.7	16.3	18.7	19.7	19.0	16.5	12.6	8.4
Sa	4.5	1.4	-.1	1.3	5.0	9.5	13.6	16.9	19.0	19.0	17.1	14.1
10	11.0	8.2	6.3	6.3	8.6	11.8	14.5	16.6	17.8	17.6	15.7	12.7
Su	9.2	6.0	3.1	1.6	2.6	5.5	9.1	12.7	16.0	18.3	18.6	17.2
11	14.6	11.9	9.2	7.0	6.5	8.0	10.3	12.5	14.7	16.4	16.8	15.6
M	13.2	10.4	7.4	4.6	2.8	3.3	5.6	8.7	12.2	15.7	18.2	18.8
12	17.5	15.3	12.6	9.6	6.9	5.8	6.7	8.5	10.8	13.4	15.8	16.7
Tu	16.0	14.0	11.5	8.5	5.4	3.4	3.5	5.5	8.5	12.2	16.0	18.6
13	19.2	17.9	15.6	12.7	9.2	6.0	4.5	5.1	7.0	9.8	13.1	15.9
W	17.2	16.6	14.7	12.1	8.9	5.5	3.3	3.6	5.7	9.0	13.1	17.0
14	19.4	19.7	18.1	15.4	12.0	7.9	4.4	2.9	3.9	6.3	9.8	13.7
Th	16.8	17.9	17.1	15.0	12.1	8.6	5.0	3.1	3.8	6.5	10.3	14.6
15	18.4	20.3	19.8	17.6	14.3	10.3	5.9	2.4	1.6	3.3	6.5	10.7
F	15.0	17.9	18.6	17.3	14.7	11.4	7.6	4.2	3.0	4.6	8.1	12.3
16	16.6	19.8	20.8	19.3	16.3	12.4	8.0	3.5	.6	.8	3.6	7.8
Sa	12.5	16.7	19.0	18.9	16.9	13.8	10.2	6.3	3.5	3.5	6.2	10.3
17	14.7	18.6	20.8	20.6	18.1	14.3	9.9	5.3	1.2	-.6	1.0	4.9
Su	9.7	14.5	18.2	19.7	18.7	15.9	12.4	8.6	5.1	3.3	4.6	8.4
18	12.9	17.1	20.1	21.1	19.6	16.2	11.7	7.1	2.7	-.6	-.9	2.1
M	6.9	12.0	16.5	19.4	19.8	17.9	14.5	10.7	7.1	4.3	3.8	6.4
19	10.9	15.5	19.0	21.0	20.6	18.0	13.8	9.0	4.5	.6	-1.5	-.3
Tu	3.9	9.2	14.1	17.9	19.9	19.4	16.7	12.9	9.2	6.0	4.1	4.9
20	8.6	13.5	17.6	20.2	20.9	19.5	16.0	11.2	6.5	2.3	-.7	-1.5
W	1.1	6.1	11.4	15.8	18.7	19.7	18.4	15.3	11.4	7.9	5.3	4.5
21	6.4	10.8	15.6	19.0	20.5	20.2	17.8	13.8	8.9	4.4	.9	-1.1
Th	-.7	2.9	8.2	13.1	16.8	18.9	19.1	17.2	13.9	10.1	7.1	5.3
22	5.3	8.1	12.8	17.0	19.5	20.1	18.9	16.0	11.7	7.1	3.1	.3
F	-.8	.7	4.9	10.0	14.3	17.2	18.6	18.2	16.0	12.7	9.3	6.8
23	5.6	6.4	9.7	14.1	17.6	19.2	19.1	17.4	14.3	10.1	5.8	2.5
Sa	.4	.1	2.2	6.6	11.3	14.8	17.0	18.0	17.4	15.1	11.9	8.9
24	6.9	6.2	7.4	10.7	14.7	17.3	18.3	17.8	16.1	13.1	9.1	5.3
Su	2.6	1.1	1.2	3.6	7.8	11.9	14.9	16.7	17.5	16.8	14.5	11.5
25	8.9	7.2	6.7	7.9	11.0	14.3	16.4	17.1	16.8	15.2	12.4	8.8
M	5.5	3.2	1.9	2.2	4.7	8.5	12.2	14.8	16.6	17.3	16.6	14.3
26	11.5	9.0	7.4	6.7	7.7	10.4	13.3	15.2	16.1	16.1	15.0	12.4
Tu	9.2	6.1	4.0	2.8	3.0	5.2	8.8	12.2	14.9	16.8	17.7	16.8
27	14.5	11.6	9.0	7.1	6.0	6.7	9.2	12.0	14.1	15.6	16.2	15.4
W	13.1	9.9	7.0	4.7	3.2	3.2	5.4	9.0	12.5	15.4	17.7	18.5
28	17.4	14.8	11.6	8.6	6.1	4.5	5.0	7.6	10.7	13.5	15.8	17.0
Th	16.4	14.1	10.9	7.7	5.1	3.3	3.1	5.5	9.3	13.3	16.7	19.1
29	19.7	18.1	14.9	11.2	7.6	4.4	2.4	3.0	6.0	9.9	13.6	16.7
F	18.3	17.7	15.1	11.6	8.2	5.1	2.9	2.9	5.7	10.2	14.6	18.4
30	20.8	20.8	18.5	14.6	10.2	5.9	2.1	.1	1.1	4.9	9.8	14.5
Sa	18.1	19.8	18.9	16.0	12.1	8.2	4.7	2.4	2.8	6.4	11.5	16.5
31	20.4	22.4	21.7	18.5	13.8	8.7	3.8	-.3	-2.1	-.2	4.6	10.4
Su	15.8	19.7	21.2	19.9	16.4	12.0	7.7	4.0	1.9	3.1	7.6	13.3

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 60° 41'N Long. 151° 24'W

JUNE

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	18.6	22.3	23.6	22.0	18.0	12.6	6.9	1.5	-2.6	-3.7	-.8	5.1
M	11.6	17.3	21.2	22.2	20.3	16.3	11.6	7.1	3.3	1.8	3.9	9.1
2	15.3	20.5	23.7	24.2	21.7	16.9	11.0	5.0	-.4	-4.2	-4.4	-.4
Tu	6.2	13.1	18.7	22.2	22.6	20.2	15.8	11.0	6.4	2.9	2.0	5.0
3	10.9	17.0	21.8	24.3	24.0	20.8	15.6	9.4	3.4	-1.8	-5.0	-4.2
W	.8	7.7	14.5	19.7	22.6	22.5	19.6	15.1	10.2	5.8	2.7	2.7
4	6.4	12.4	18.2	22.3	24.1	23.1	19.5	14.1	8.0	2.3	-2.5	-4.8
Th	-3.0	2.4	9.2	15.5	20.2	22.5	21.9	18.8	14.3	9.6	5.5	3.0
5	3.6	7.8	13.5	18.6	22.0	23.1	21.8	18.0	12.8	7.1	1.8	-2.3
F	-3.8	-1.3	4.2	10.6	16.1	20.1	21.9	21.0	17.9	13.6	9.2	5.6
6	3.6	4.7	8.8	13.9	18.2	20.8	21.6	20.1	16.6	11.7	6.6	2.0
Sa	-1.3	-2.1	.7	5.9	11.5	16.2	19.7	21.1	20.1	17.0	13.1	9.2
7	6.0	4.4	5.6	9.4	13.6	17.0	19.2	19.9	18.5	15.3	11.1	6.7
Su	2.8	.1	-.2	2.6	7.2	11.9	16.0	19.1	20.3	19.3	16.4	12.9
8	9.4	6.5	5.1	6.2	9.3	12.6	15.4	17.4	18.2	17.2	14.5	10.9
M	7.3	4.1	1.8	1.7	4.2	8.1	12.0	15.6	18.5	19.6	18.7	16.1
9	12.9	9.8	7.0	5.5	6.2	8.5	11.2	13.6	15.7	16.9	16.3	14.2
Tu	11.2	8.2	5.4	3.4	3.2	5.4	8.6	12.0	15.3	18.1	19.3	18.4
10	16.0	13.1	10.1	7.2	5.4	5.6	7.4	9.6	12.1	14.6	16.1	16.0
W	14.3	11.8	9.3	6.7	4.6	4.3	6.1	8.9	12.0	15.4	18.1	19.2
11	18.2	15.9	13.1	10.0	6.8	4.6	4.6	6.1	8.3	11.2	14.2	16.1
Th	16.2	14.7	12.5	10.1	7.5	5.3	5.0	6.6	9.3	12.5	15.9	18.5
12	19.3	18.1	15.7	12.7	9.2	5.7	3.4	3.4	5.1	7.7	11.2	14.5
F	16.6	16.7	15.2	13.0	10.5	7.7	5.5	5.4	7.2	10.1	13.5	16.9
13	19.2	19.4	17.8	15.0	11.7	7.8	4.1	2.0	2.4	4.6	8.0	12.0
Sa	15.5	17.4	17.2	15.5	13.1	10.4	7.4	5.4	5.8	8.2	11.4	14.9
14	18.1	19.8	19.3	17.0	13.7	10.0	5.9	2.2	.7	2.0	5.1	9.1
Su	13.4	16.8	18.2	17.5	15.4	12.7	9.7	6.7	5.3	6.5	9.5	13.1
15	16.6	19.3	20.1	18.7	15.7	11.9	7.8	3.6	.4	.0	2.4	6.3
M	10.8	15.2	18.1	18.8	17.4	14.8	11.7	8.6	6.0	5.4	7.6	11.3
16	15.1	18.3	20.2	20.0	17.6	13.9	9.7	5.4	1.4	-.9	.0	3.6
Tu	8.2	12.9	16.9	19.1	18.9	16.8	13.7	10.4	7.3	5.3	5.9	9.2
17	13.4	17.1	19.7	20.6	19.3	16.1	11.8	7.3	3.1	-.4	-1.4	.8
W	5.4	10.4	15.0	18.3	19.6	18.6	15.8	12.3	9.0	6.2	5.1	6.9
18	11.0	15.4	18.7	20.5	20.4	18.2	14.2	9.5	5.0	1.1	-1.5	-1.2
Th	2.3	7.5	12.6	16.7	19.2	19.6	17.8	14.5	10.8	7.6	5.3	5.2
19	8.1	12.8	17.0	19.8	20.7	19.7	16.7	12.2	7.4	3.0	-.4	-1.9
F	-.3	4.2	9.8	14.5	17.9	19.6	19.2	16.7	13.1	9.4	6.5	4.9
20	5.7	9.4	14.3	18.2	20.2	20.3	18.6	15.0	10.3	5.5	1.5	-1.1
Sa	-1.6	1.2	6.3	11.7	15.9	18.6	19.6	18.5	15.6	11.8	8.2	5.7
21	4.8	6.4	10.7	15.4	18.6	19.9	19.5	17.3	13.5	8.7	4.2	.8
Su	-1.1	-.6	2.9	8.3	13.3	16.9	18.9	19.3	17.7	14.5	10.6	7.4
22	5.3	4.9	7.1	11.5	15.7	18.4	19.2	18.5	16.1	12.2	7.6	3.6
M	.7	-.4	.8	4.8	10.0	14.4	17.4	18.9	18.9	16.9	13.6	9.9
23	6.9	5.2	5.1	7.5	11.6	15.4	17.6	18.2	17.5	15.2	11.4	7.2
Tu	3.6	1.4	.7	2.3	6.4	11.2	15.1	17.6	18.9	18.5	16.4	13.0
24	9.4	6.7	5.1	5.1	7.4	11.1	14.4	16.4	17.3	16.8	14.7	11.2
W	7.4	4.4	2.5	2.0	3.7	7.6	12.0	15.4	17.8	19.0	18.5	16.2
25	12.7	9.3	6.5	4.7	4.5	6.6	10.0	13.1	15.3	16.6	16.6	14.8
Th	11.7	8.3	5.5	3.7	3.2	4.8	8.4	12.5	15.8	18.2	19.4	18.7
26	16.2	12.6	9.1	6.2	4.0	3.4	5.2	8.5	11.8	14.6	16.5	17.0
F	15.5	12.6	9.4	6.7	4.8	4.0	5.4	8.9	12.9	16.4	18.9	20.1
27	19.2	16.4	12.6	8.8	5.4	2.6	1.8	3.5	7.1	10.9	14.5	17.1
Sa	17.9	16.6	13.7	10.6	7.7	5.3	4.3	5.7	9.3	13.5	17.3	20.0
28	21.1	19.8	16.6	12.4	8.2	4.1	.9	-.1	2.0	6.1	10.7	15.0
Su	18.1	19.1	17.7	14.8	11.4	8.2	5.4	4.2	5.8	9.8	14.4	18.5
29	21.3	22.0	20.3	16.6	11.9	7.1	2.5	-1.1	-1.8	.9	5.8	11.2
M	16.2	19.5	20.3	18.6	15.4	11.7	8.1	5.0	3.9	6.0	10.6	15.6
30	19.9	22.6	22.8	20.5	16.2	11.0	5.7	.7	-2.9	-3.0	.6	6.3
Tu	12.4	17.6	20.8	21.3	19.2	15.5	11.4	7.4	4.2	3.6	6.5	11.6

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

NIKISHKA, ALASKA, 1981

Lat. 60° 41'N Long. 151° 24'W

JULY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	16.9	21.2	23.5	23.1	20.2	15.4	9.8	4.1	-1.0	-4.1	-3.3	1.2
W	7.6	13.9	19.1	21.9	21.8	19.2	15.1	10.7	6.5	3.5	3.5	7.2
2	12.7	18.1	22.1	23.9	22.9	19.4	14.2	8.4	2.6	-2.3	-4.7	-2.8
Th	2.6	9.3	15.6	20.3	22.5	21.8	18.7	14.3	9.7	5.5	2.9	3.7
3	8.1	13.8	18.9	22.5	23.7	22.2	18.2	12.8	6.9	1.4	-3.0	-4.3
F	-1.4	4.5	11.1	17.0	21.1	22.6	21.3	17.8	13.2	8.6	4.6	2.7
4	4.3	9.0	14.6	19.3	22.2	22.9	20.9	16.7	11.3	5.7	.6	-2.9
Sa	-3.2	.5	6.6	12.8	18.0	21.4	22.3	20.4	16.6	12.0	7.6	4.1
5	2.9	5.1	9.9	15.0	19.0	21.3	21.6	19.4	15.2	10.0	4.9	.6
Su	-2.1	-1.3	2.8	8.6	14.1	18.6	21.3	21.5	19.3	15.4	11.0	7.0
6	4.0	3.4	5.9	10.4	14.8	18.1	20.0	20.0	17.7	13.7	9.0	4.7
M	1.2	-.5	.9	5.1	10.3	15.0	18.7	20.7	20.6	18.1	14.3	10.3
7	6.8	4.3	4.1	6.6	10.5	14.0	16.7	18.4	18.3	16.2	12.6	8.6
Tu	5.1	2.4	1.4	3.2	7.1	11.5	15.3	18.4	20.0	19.5	17.1	13.5
8	10.0	6.9	4.8	4.7	6.8	10.0	12.8	15.2	16.8	16.9	15.1	12.1
W	8.8	6.0	4.0	3.4	5.2	8.6	12.1	15.3	17.9	19.2	18.6	16.2
9	13.1	10.0	7.2	5.1	4.9	6.6	9.0	11.4	13.8	15.6	15.9	14.6
Th	12.1	9.5	7.3	5.6	5.2	6.7	9.5	12.4	15.1	17.5	18.6	17.9
10	15.7	12.8	10.0	7.3	5.1	4.6	5.8	7.9	10.2	12.8	14.9	15.6
F	14.6	12.6	10.6	8.7	7.0	6.4	7.7	10.0	12.5	15.1	17.3	18.3
11	17.5	15.4	12.7	9.9	6.9	4.5	3.8	4.8	6.9	9.5	12.5	15.0
Sa	15.9	15.1	13.4	11.5	9.6	7.7	7.1	8.2	10.4	12.8	15.4	17.6
12	18.3	17.3	15.0	12.3	9.3	6.0	3.4	2.7	4.0	6.4	9.5	13.0
Su	15.7	16.5	15.7	14.0	12.1	9.9	7.8	7.2	8.5	10.9	13.5	16.1
13	18.2	18.5	17.1	14.5	11.5	8.1	4.5	1.9	1.7	3.6	6.6	10.4
M	14.2	16.8	17.4	16.2	14.3	12.0	9.4	7.3	7.1	8.9	11.7	14.6
14	17.3	18.9	18.7	16.7	13.6	10.1	6.3	2.6	.5	1.1	3.9	7.7
Tu	12.0	15.8	17.9	18.0	16.3	13.9	11.2	8.4	6.5	7.0	9.6	13.0
15	16.1	18.6	19.6	18.6	15.9	12.2	8.2	4.1	.6	-.6	1.2	5.0
W	9.5	14.0	17.5	18.9	18.2	15.9	12.9	9.8	6.9	5.7	7.2	10.8
16	14.6	17.8	19.8	20.1	18.1	14.6	10.3	6.0	1.8	-1.1	-1.0	2.2
Th	6.9	11.8	16.1	18.9	19.5	17.9	14.8	11.4	8.0	5.5	5.2	7.9
17	12.3	16.4	19.3	20.7	20.0	17.2	12.9	8.1	3.6	-.2	-2.1	-.6
F	3.8	9.3	14.2	18.0	20.0	19.6	17.0	13.3	9.5	6.2	4.2	5.1
18	9.0	13.9	18.0	20.5	21.1	19.5	15.8	10.9	5.9	1.4	-1.8	-2.4
Sa	.6	6.1	11.8	16.4	19.5	20.5	19.1	15.7	11.6	7.6	4.6	3.5
19	5.5	10.2	15.4	19.2	21.1	20.9	18.5	14.2	8.9	3.9	-.1	-2.4
Su	-1.7	2.5	8.6	14.1	18.2	20.4	20.5	18.2	14.2	9.8	6.0	3.4
20	3.2	6.2	11.5	16.5	19.8	21.1	20.2	17.2	12.5	7.2	2.4	-.9
M	-2.2	-.3	4.8	11.0	16.1	19.4	20.8	20.0	17.0	12.7	8.3	4.7
21	2.8	3.3	7.0	12.3	17.0	19.7	20.4	19.2	15.9	11.1	6.0	1.8
Tu	-.8	-1.1	1.7	7.2	13.0	17.4	19.9	20.6	19.2	15.8	11.4	7.2
22	4.1	2.6	3.7	7.6	12.6	16.7	18.9	19.4	18.0	14.7	10.2	5.6
W	2.1	.3	.7	4.0	9.3	14.5	18.1	20.0	20.2	18.4	14.8	10.5
23	6.6	3.9	2.7	4.0	7.7	12.2	15.7	17.7	18.2	17.0	14.0	9.9
Th	6.0	3.3	2.0	2.7	6.0	10.8	15.2	18.2	19.8	19.7	17.7	14.2
24	10.1	6.6	4.0	2.8	3.8	7.1	11.1	14.2	16.3	17.3	16.5	14.0
F	10.5	7.2	5.0	3.8	4.5	7.4	11.7	15.4	18.1	19.5	19.4	17.5
25	14.1	10.2	6.8	4.1	2.6	3.2	6.0	9.6	12.7	15.3	16.8	16.6
Sa	14.6	11.6	8.8	6.7	5.4	5.7	8.2	11.9	15.3	17.9	19.6	19.6
26	17.7	14.3	10.6	7.1	4.0	1.8	2.0	4.5	8.0	11.6	14.9	17.1
Su	17.3	15.7	13.0	10.4	8.1	6.2	6.1	8.2	11.7	15.2	18.1	20.0
27	20.1	18.2	14.8	10.9	7.0	3.3	.6	.5	3.1	7.0	11.3	15.3
M	17.9	18.4	16.9	14.3	11.5	8.6	6.3	5.8	7.9	11.6	15.4	18.7
28	20.8	20.9	18.7	15.1	10.9	6.5	2.0	-1.0	-.9	2.1	6.7	11.8
Tu	16.4	19.2	19.7	18.0	15.1	11.8	8.3	5.5	5.1	7.6	11.7	16.0
29	19.7	21.8	21.6	19.1	15.1	10.4	5.3	.5	-2.5	-1.8	2.1	7.4
W	13.1	17.9	20.6	20.7	18.5	15.1	11.3	7.3	4.3	4.3	7.5	12.2
30	17.0	20.8	22.7	22.0	19.0	14.4	9.2	3.7	-1.2	-3.5	-1.8	2.9
Th	9.0	15.0	19.7	21.8	21.2	18.3	14.4	10.0	5.7	3.1	3.9	7.9
31	13.1	18.1	21.8	23.2	21.9	18.3	13.2	7.7	2.0	-2.5	-3.8	-.9
F	4.7	11.1	17.0	21.1	22.5	21.0	17.5	13.0	8.3	4.1	2.2	4.0

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 60° 41'N Long. 151° 24'W

AUGUST

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	8.7	14.3	19.1	22.4	23.2	21.2	17.0	11.6	5.9	.5	-3.2	-3.1
Sa	.9	7.1	13.5	18.9	22.1	22.5	20.2	16.1	11.3	6.5	2.8	1.8
2	4.6	9.8	15.3	19.8	22.4	22.5	19.8	15.2	9.7	4.3	-.4	-2.9
Su	-1.6	3.4	9.7	15.6	20.2	22.5	21.9	18.9	14.3	9.5	5.0	2.0
3	2.1	5.6	11.0	16.1	19.9	21.8	21.2	18.1	13.3	8.0	3.1	-.6
M	-1.8	.8	6.1	12.1	17.2	20.8	22.1	20.7	17.2	12.5	7.9	4.1
4	1.9	2.9	6.8	11.9	16.3	19.3	20.6	19.5	16.2	11.5	6.8	2.8
Tu	.2	.2	3.5	8.8	14.0	18.1	20.7	21.1	19.2	15.4	10.9	6.9
5	3.8	2.4	4.0	7.9	12.3	15.8	18.2	19.0	17.7	14.5	10.3	6.4
W	3.3	1.7	2.6	6.2	10.9	15.1	18.2	19.9	19.8	17.5	13.8	9.9
6	6.5	4.1	3.3	5.0	8.5	12.0	14.8	16.7	17.3	16.1	13.2	9.7
Th	6.7	4.6	3.8	5.1	8.5	12.4	15.5	17.7	18.8	18.3	16.1	12.7
7	9.4	6.7	4.7	4.1	5.7	8.4	11.2	13.4	15.2	15.9	15.0	12.7
F	10.0	7.8	6.4	5.9	7.2	10.0	12.9	15.2	16.9	17.7	17.2	15.1
8	12.2	9.5	7.2	5.3	4.6	5.7	7.8	9.9	12.1	14.0	15.1	14.6
Sa	12.9	10.9	9.3	8.1	7.6	8.6	10.7	12.9	14.6	16.1	17.0	16.5
9	14.7	12.2	9.8	7.6	5.5	4.4	5.1	6.8	8.8	11.1	13.5	15.0
Su	14.9	13.6	12.0	10.7	9.3	8.5	9.0	10.7	12.5	14.2	15.8	16.8
10	16.4	14.7	12.3	10.0	7.5	4.9	3.6	4.1	5.8	8.1	11.0	13.9
M	15.6	15.7	14.5	13.0	11.4	9.6	8.4	8.8	10.4	12.3	14.3	16.2
11	17.2	16.7	14.9	12.4	9.7	6.6	3.7	2.3	3.1	5.2	8.2	11.8
Tu	15.0	16.7	16.6	15.2	13.4	11.3	9.0	7.6	8.3	10.3	12.7	15.1
12	17.2	18.1	17.2	14.9	11.9	8.6	5.0	1.9	1.0	2.5	5.6	9.4
W	13.4	16.6	17.9	17.3	15.4	12.9	10.2	7.5	6.5	7.8	10.6	13.7
13	16.5	18.6	19.0	17.4	14.4	10.7	6.8	2.8	.0	.1	2.8	6.9
Th	11.4	15.5	18.3	18.9	17.4	14.7	11.5	8.2	5.7	5.3	7.8	11.5
14	15.3	18.3	20.0	19.6	17.1	13.2	8.8	4.4	.5	-1.5	.0	4.0
F	9.1	13.9	17.9	19.8	19.4	16.8	13.3	9.5	5.9	3.8	4.7	8.4
15	13.1	17.2	20.1	21.1	19.7	16.2	11.5	6.5	1.9	-1.6	-2.2	.8
Sa	6.2	11.8	16.6	19.9	20.8	19.1	15.6	11.2	7.0	3.6	2.4	4.6
16	9.5	14.9	19.1	21.5	21.6	19.2	14.8	9.4	4.1	-.3	-2.8	-1.9
Su	2.7	8.9	14.7	19.1	21.3	21.0	18.2	13.7	8.9	4.6	1.7	1.6
17	5.2	11.0	16.6	20.5	22.2	21.5	18.1	13.0	7.2	2.1	-1.7	-3.0
M	-.6	5.2	11.9	17.3	20.9	22.0	20.5	16.7	11.7	6.7	2.7	.5
18	1.6	6.2	12.5	17.9	21.2	22.2	20.6	16.7	11.2	5.5	.8	-2.1
Tu	-2.1	1.7	8.1	14.6	19.3	21.8	21.9	19.5	15.0	9.7	4.9	1.4
19	.1	2.1	7.4	13.5	18.4	21.0	21.4	19.4	15.1	9.7	4.5	.6
W	-1.3	-.2	4.3	10.8	16.6	20.3	21.9	21.2	18.1	13.4	8.2	3.8
20	1.0	.4	2.9	8.2	13.9	18.0	20.1	20.1	18.0	13.9	8.9	4.5
Th	1.5	.4	2.2	7.0	12.9	17.7	20.5	21.3	20.1	16.8	12.2	7.4
21	3.6	1.3	1.0	3.7	8.5	13.4	16.8	18.6	18.7	16.8	13.2	9.0
F	5.4	3.2	2.7	4.6	9.0	14.0	17.8	19.9	20.4	19.0	15.9	11.6
22	7.5	4.2	2.0	1.7	4.0	8.1	12.1	15.1	17.0	17.5	16.2	13.3
Sa	9.9	7.1	5.3	4.9	6.5	10.2	14.2	17.2	18.9	19.4	18.3	15.5
23	11.8	8.2	5.1	2.8	2.0	3.6	6.9	10.4	13.4	15.8	16.9	16.3
Su	14.1	11.4	9.1	7.3	6.4	7.4	10.3	13.5	16.2	18.1	18.9	18.2
24	15.9	12.6	9.2	6.1	3.2	1.7	2.7	5.5	8.8	12.3	15.3	17.1
M	17.0	15.4	13.1	10.8	8.6	7.0	7.3	9.6	12.5	15.3	17.7	19.1
25	18.7	16.7	13.6	10.2	6.5	2.9	.8	1.4	4.1	7.8	12.0	15.8
Tu	18.1	18.3	16.8	14.4	11.7	8.8	6.5	6.4	8.5	11.6	14.9	18.0
26	19.8	19.7	17.6	14.4	10.6	6.2	1.9	-.5	.2	3.4	7.8	12.7
W	17.0	19.4	19.5	17.8	15.0	11.6	7.9	5.2	5.1	7.6	11.3	15.3
27	18.9	20.9	20.6	18.2	14.5	10.1	5.0	.4	-1.7	-.3	3.6	8.9
Th	14.4	18.8	20.9	20.4	18.0	14.5	10.4	6.1	3.5	4.0	7.3	11.8
28	16.4	20.2	21.9	21.1	18.1	13.8	8.8	3.3	-1.1	-2.4	.1	5.0
F	10.9	16.6	20.6	22.0	20.6	17.3	13.1	8.4	4.0	2.0	3.5	7.8
29	13.0	17.9	21.4	22.5	20.9	17.2	12.3	6.8	1.4	-2.3	-2.2	1.6
Sa	7.4	13.6	18.9	22.1	22.3	19.9	15.8	11.0	6.0	2.0	1.1	3.9
30	9.0	14.5	19.3	22.3	22.5	20.0	15.5	10.2	4.7	-.1	-2.5	-.9
Su	4.1	10.3	16.3	20.8	22.8	21.8	18.4	13.6	8.5	3.8	.7	1.0
31	5.0	10.6	16.1	20.4	22.4	21.7	18.4	13.4	8.0	2.9	-.9	-1.8
M	1.3	7.1	13.3	18.5	21.9	22.6	20.5	16.2	11.2	6.2	2.1	.2

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

NIKISHKA, ALASKA, 1981

Lat. 60° 41'N Long. 151° 24'W

SEPTEMBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	1.8	6.6	12.3	17.3	20.7	21.8	20.2	16.3	11.2	6.2	1.9	-.7
Tu	.0	4.3	10.2	15.8	19.9	22.0	21.5	18.5	13.8	8.9	4.5	1.3
2	.5	3.3	8.4	13.7	17.8	20.3	20.6	18.4	14.2	9.4	5.0	1.9
W	.6	2.6	7.4	12.9	17.4	20.3	21.3	19.8	16.3	11.6	7.1	3.5
3	1.3	1.6	5.0	9.8	14.3	17.5	19.2	18.9	16.4	12.4	8.2	4.9
Th	2.8	2.7	5.5	10.2	14.8	18.0	19.8	19.8	17.8	14.2	9.9	6.1
4	3.4	2.1	3.1	6.5	10.7	14.1	16.5	17.6	17.1	14.8	11.3	8.0
F	5.7	4.5	5.2	8.1	12.2	15.6	17.7	18.6	18.1	15.9	12.6	9.0
5	6.0	4.1	3.3	4.4	7.4	10.7	13.2	15.0	16.0	15.7	13.8	11.0
Sa	8.6	7.1	6.6	7.4	10.0	13.2	15.4	16.6	17.1	16.5	14.6	11.7
6	8.8	6.6	5.1	4.4	5.2	7.5	9.9	11.9	13.6	14.8	14.9	13.5
Su	11.5	9.9	8.8	8.4	9.0	10.9	13.1	14.6	15.4	15.9	15.5	14.0
7	11.7	9.3	7.5	5.9	4.9	5.2	6.9	8.7	10.6	12.6	14.3	14.8
M	14.0	12.5	11.2	10.2	9.4	9.4	10.8	12.4	13.6	14.6	15.4	15.4
8	14.2	12.1	10.0	8.1	6.1	4.5	4.5	5.8	7.7	9.9	12.5	14.7
Tu	15.6	14.9	13.6	12.2	10.7	9.3	8.9	9.9	11.5	12.9	14.5	15.8
9	16.0	14.9	12.8	10.5	8.0	5.3	3.4	3.3	4.8	7.2	10.2	13.5
W	15.9	16.7	15.9	14.2	12.3	10.1	8.1	7.6	8.9	10.9	13.1	15.3
10	16.9	17.1	15.6	13.1	10.2	7.0	3.7	1.7	2.1	4.5	7.8	11.6
Th	15.3	17.6	17.9	16.4	14.0	11.3	8.4	6.1	6.1	8.1	11.1	14.2
11	17.0	18.5	18.2	16.0	12.7	9.0	5.1	1.6	.1	1.6	5.2	9.5
F	13.9	17.6	19.3	18.6	16.2	12.9	9.3	5.9	3.9	4.8	8.1	12.2
12	16.1	19.0	20.2	19.0	15.8	11.6	7.1	2.7	-.5	-.9	2.1	6.9
Sa	12.1	16.8	19.9	20.5	18.7	15.1	10.8	6.6	3.1	2.0	4.2	8.9
13	14.0	18.3	21.0	21.3	19.1	14.8	9.7	4.7	.3	-2.1	-.9	3.7
Su	9.6	15.3	19.6	21.7	21.0	17.8	13.1	8.2	3.7	.6	.7	4.5
14	10.4	16.1	20.4	22.5	21.8	18.4	13.3	7.6	2.4	-1.5	-2.6	.2
M	6.2	12.8	18.3	21.8	22.7	20.6	16.2	10.7	5.4	1.0	-1.2	.3
15	5.5	12.2	18.0	21.9	23.2	21.5	17.2	11.4	5.6	.7	-2.3	-2.0
Tu	2.4	9.3	15.9	20.8	23.2	22.7	19.4	14.2	8.3	3.0	-.9	-2.0
16	.8	6.9	13.8	19.3	22.5	22.9	20.5	15.7	9.8	4.2	.0	-1.9
W	-.3	5.2	12.3	18.4	22.2	23.5	21.9	17.8	12.1	6.2	1.3	-1.8
17	-1.9	1.8	8.3	14.9	19.7	22.2	22.0	19.1	14.2	8.6	3.7	.4
Th	-.5	2.2	8.1	14.8	19.9	22.6	22.8	20.5	16.0	10.3	4.9	.7
18	-1.6	-1.0	3.1	9.4	15.2	19.1	21.0	20.5	17.6	13.1	8.2	4.2
F	1.8	1.7	4.9	10.5	16.2	20.1	21.9	21.5	18.9	14.5	9.4	4.6
19	1.1	-.7	.2	4.2	9.7	14.5	17.8	19.4	19.0	16.5	12.7	8.7
Sa	5.6	3.9	4.1	7.1	11.9	16.4	19.3	20.4	19.9	17.6	13.7	9.3
20	5.4	2.4	.7	1.4	4.7	9.2	13.1	16.0	17.7	17.8	16.1	13.1
Su	10.0	7.5	6.0	6.1	8.4	12.2	15.5	17.7	18.8	18.6	16.9	13.7
21	10.1	6.8	3.9	2.0	2.1	4.5	8.0	11.3	14.3	16.6	17.4	16.3
M	14.1	11.7	9.5	7.7	7.2	8.6	11.3	13.9	16.0	17.5	18.0	16.9
22	14.5	11.5	8.4	5.3	2.8	2.1	3.7	6.6	9.9	13.3	16.3	17.7
Tu	17.3	15.5	13.3	10.9	8.5	7.1	7.7	9.8	12.2	14.7	17.0	18.1
23	17.7	15.7	12.9	9.7	6.0	2.7	1.4	2.6	5.4	9.1	13.3	16.9
W	18.7	18.5	16.8	14.4	11.3	8.0	5.9	6.2	8.2	11.0	14.2	17.3
24	19.0	18.7	16.8	13.8	10.1	5.7	1.8	.4	1.8	5.1	9.5	14.4
Th	18.3	20.1	19.6	17.5	14.4	10.5	6.5	4.1	4.5	7.0	10.6	14.7
25	18.3	20.1	19.7	17.4	13.9	9.5	4.5	.6	-.4	1.7	5.9	11.1
F	16.3	20.0	21.3	20.0	17.2	13.3	8.7	4.3	2.2	3.4	6.8	11.4
26	16.1	19.8	21.2	20.1	17.1	13.0	8.0	2.9	-.6	-.5	2.8	7.8
Sa	13.5	18.6	21.6	21.8	19.6	15.8	11.2	6.1	2.0	.9	3.2	7.7
27	13.0	17.9	21.1	21.7	19.7	15.9	11.2	6.0	1.2	-1.1	.4	4.9
Su	10.6	16.4	20.8	22.6	21.5	18.1	13.5	8.4	3.4	.1	.4	4.1
28	9.5	15.0	19.6	22.0	21.5	18.5	14.0	9.0	4.0	.1	-.7	2.4
M	7.9	13.8	19.0	22.2	22.6	20.2	15.8	10.7	5.6	1.2	-.8	1.0
29	5.8	11.6	16.9	20.8	22.1	20.5	16.6	11.8	6.8	2.4	-.1	.9
Tu	5.3	11.2	16.7	20.8	22.6	21.6	18.0	13.0	7.9	3.2	-.2	-.7
30	2.5	8.0	13.7	18.4	21.2	21.3	18.8	14.5	9.6	5.2	1.8	.8
W	3.3	8.5	14.2	18.8	21.6	21.9	19.7	15.4	10.3	5.5	1.6	-.6

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 60° 41'N Long. 151° 24'W

OCTOBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	.4	4.6	10.2	15.3	19.0	20.7	20.0	16.9	12.4	8.0	4.4	2.3
Th	2.7	6.2	11.6	16.5	19.8	21.2	20.4	17.4	12.8	7.9	3.8	1.0
2	.0	2.1	6.7	11.9	16.0	18.7	19.6	18.2	15.0	10.9	7.2	4.6
F	3.6	5.1	9.1	14.0	17.7	19.7	20.0	18.4	15.0	10.6	6.4	3.2
3	1.4	1.4	4.0	8.4	12.7	15.8	17.7	18.0	16.5	13.5	10.1	7.3
Sa	5.6	5.5	7.5	11.4	15.3	17.8	18.6	18.2	16.3	13.1	9.2	5.8
4	3.6	2.4	2.9	5.6	9.4	12.6	14.9	16.3	16.5	15.2	12.8	10.0
Su	8.1	7.2	7.4	9.4	12.7	15.5	16.9	17.1	16.4	14.7	11.9	8.7
5	6.2	4.5	3.7	4.2	6.5	9.4	11.9	13.6	15.0	15.4	14.6	12.7
M	10.7	9.3	8.7	8.9	10.4	12.9	14.7	15.5	15.6	15.2	13.9	11.6
6	9.1	7.0	5.6	4.7	4.9	6.5	8.8	10.8	12.5	14.2	15.1	14.7
Tu	13.3	11.7	10.5	9.6	9.3	10.3	12.1	13.4	14.2	14.7	14.8	13.9
7	12.1	9.9	8.0	6.4	4.9	4.6	5.9	7.9	9.9	12.2	14.4	15.7
W	15.5	14.2	12.6	11.1	9.6	8.7	9.2	10.8	12.2	13.5	14.7	15.3
8	14.8	13.0	10.7	8.5	6.3	4.3	3.7	5.0	7.2	9.9	12.8	15.5
Th	16.9	16.5	14.9	12.8	10.6	8.4	7.1	7.6	9.5	11.6	13.8	15.7
9	16.7	16.0	13.9	11.1	8.3	5.3	2.9	2.5	4.3	7.4	10.9	14.5
F	17.3	18.4	17.4	15.0	12.1	9.0	6.2	4.9	6.0	8.8	12.0	15.1
10	17.5	18.3	17.1	14.3	10.8	7.1	3.6	1.2	1.5	4.4	8.6	13.0
Sa	17.0	19.5	19.7	17.6	14.2	10.4	6.5	3.4	2.6	4.8	8.9	13.3
11	17.1	19.6	19.9	17.8	14.0	9.7	5.3	1.6	-.3	1.3	5.6	10.9
Su	15.9	19.7	21.4	20.3	17.0	12.5	7.8	3.4	.6	.8	4.6	10.0
12	15.3	19.4	21.6	21.0	17.8	13.1	8.0	3.3	-.2	-1.0	2.1	7.8
M	13.9	19.0	22.1	22.6	20.1	15.5	10.1	4.8	.4	-1.7	.0	5.2
13	11.7	17.5	21.5	22.9	21.3	17.1	11.7	6.2	1.5	-1.3	-.6	4.0
Tu	10.7	17.1	21.7	23.8	22.9	19.1	13.5	7.4	1.9	-2.1	-3.1	.1
14	6.5	13.6	19.4	22.9	23.4	20.9	16.0	10.1	4.6	.4	-1.3	.8
W	6.6	13.8	19.8	23.5	24.4	22.2	17.4	11.2	4.9	-.3	-3.6	-3.4
15	1.0	8.2	15.2	20.5	23.3	23.0	19.8	14.6	8.8	3.7	.3	-.4
Th	2.9	9.4	16.4	21.6	24.2	23.9	20.8	15.4	9.1	3.1	-1.5	-3.9
16	-2.7	2.5	9.7	16.2	20.8	22.8	22.0	18.5	13.4	8.0	3.7	1.1
F	1.4	5.4	11.9	18.1	22.2	23.7	22.7	19.1	13.7	7.7	2.3	-1.6
17	-3.2	-1.4	4.0	10.7	16.4	20.1	21.7	20.6	17.3	12.6	8.0	4.5
Sa	2.7	3.6	7.7	13.5	18.6	21.5	22.3	20.9	17.4	12.4	7.1	2.6
18	-.6	-1.8	.3	5.2	10.9	15.6	18.8	20.2	19.3	16.5	12.5	8.8
Su	6.0	4.6	5.5	9.2	14.0	17.8	19.9	20.5	19.2	16.2	12.0	7.6
19	3.8	1.0	.0	1.7	5.8	10.4	14.3	17.2	18.8	18.4	16.2	13.1
M	10.1	7.7	6.3	6.9	9.7	13.3	16.1	17.8	18.6	17.9	15.7	12.4
20	8.8	5.6	2.9	1.5	2.6	5.8	9.4	12.8	15.9	17.9	18.1	16.6
Tu	14.2	11.6	9.2	7.4	7.2	9.1	11.7	13.9	15.9	17.2	17.4	15.9
21	13.4	10.4	7.4	4.4	2.5	2.8	5.2	8.3	11.8	15.2	17.8	18.5
W	17.5	15.4	12.9	10.1	7.5	6.6	7.6	9.6	12.0	14.5	16.7	17.6
22	16.7	14.6	11.9	8.7	5.1	2.7	2.5	4.5	7.6	11.5	15.5	18.5
Th	19.4	18.5	16.3	13.4	9.9	6.6	5.0	5.7	7.8	10.7	14.1	17.0
23	18.4	17.8	15.7	12.8	9.1	5.0	2.2	2.0	4.2	7.7	12.2	16.7
F	19.7	20.4	19.1	16.5	12.9	8.6	4.8	3.1	4.1	6.8	10.6	14.8
24	18.1	19.4	18.6	16.2	12.8	8.5	4.1	1.5	1.8	4.7	8.9	14.0
Sa	18.5	21.1	21.1	19.0	15.6	11.3	6.4	2.6	1.5	3.3	6.9	11.6
25	16.2	19.4	20.3	18.8	15.8	11.9	7.2	2.9	1.0	2.4	6.2	11.1
Su	16.3	20.4	22.0	20.9	17.9	13.8	8.9	3.8	.5	.6	3.6	8.2
26	13.4	18.0	20.6	20.6	18.3	14.6	10.2	5.5	1.9	1.3	4.0	8.7
M	13.9	18.8	21.8	22.1	19.9	15.9	11.1	6.0	1.4	-.8	.7	4.9
27	10.2	15.6	19.7	21.3	20.2	17.0	12.8	8.3	4.0	1.5	2.4	6.4
Tu	11.7	16.8	20.8	22.4	21.3	17.9	13.1	8.1	3.2	-.5	-1.1	1.9
28	7.1	12.7	17.6	20.7	21.2	19.1	15.2	10.8	6.5	3.1	2.0	4.5
W	9.4	14.7	19.1	21.8	22.0	19.6	15.2	10.2	5.3	1.0	-1.4	-.4
29	3.9	9.5	14.9	19.0	21.1	20.4	17.5	13.2	8.9	5.2	2.9	3.4
Th	7.1	12.4	17.2	20.6	21.9	20.7	17.3	12.4	7.4	3.0	-.2	-1.2
30	1.2	6.2	11.8	16.5	19.6	20.6	19.1	15.7	11.4	7.6	4.8	3.7
F	5.4	9.9	15.0	18.8	20.9	20.9	18.8	14.7	9.8	5.3	1.7	-.5
31	-.2	3.2	8.5	13.5	17.2	19.4	19.5	17.5	14.0	10.1	7.0	5.1
Sa	5.1	7.7	12.3	16.7	19.4	20.2	19.3	16.6	12.4	7.9	4.0	1.3

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

NIKISHKA, ALASKA, 1981

Lat. 60° 41'N Long. 151° 24'W

NOVEMBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	.2	1.4	5.3	10.2	14.3	17.1	18.5	18.2	16.0	12.7	9.4	7.1
Su	6.0	6.7	9.7	14.0	17.3	18.9	18.9	17.4	14.6	10.7	6.7	3.7
2	1.8	1.4	3.2	7.0	11.2	14.4	16.4	17.4	16.9	14.9	12.1	9.4
M	7.8	7.2	8.2	11.1	14.6	16.9	17.6	17.2	15.7	13.1	9.7	6.4
3	4.1	2.8	2.8	4.6	8.0	11.4	13.8	15.5	16.4	16.1	14.4	12.0
Tu	9.9	8.6	8.2	9.2	11.6	14.3	15.8	16.2	15.8	14.6	12.4	9.6
4	6.9	5.0	3.9	3.8	5.4	8.3	11.1	13.1	14.8	15.9	15.9	14.4
W	12.4	10.5	9.3	8.6	9.2	11.1	13.2	14.4	14.9	15.0	14.3	12.6
5	10.1	7.7	5.9	4.6	4.2	5.5	8.1	10.6	12.8	14.8	16.2	16.3
Th	14.9	12.9	10.9	9.3	8.1	8.2	9.8	11.8	13.2	14.4	15.2	14.9
6	13.3	10.9	8.5	6.5	4.7	4.0	5.1	7.7	10.5	13.1	15.7	17.3
F	17.2	15.5	13.1	10.7	8.4	6.6	6.5	8.2	10.5	12.7	14.8	16.2
7	16.1	14.4	11.8	9.0	6.4	4.1	3.2	4.6	7.7	11.1	14.4	17.3
Sa	18.8	18.2	15.9	12.8	9.6	6.5	4.3	4.4	6.7	9.9	13.2	16.1
8	17.8	17.6	15.5	12.2	8.8	5.6	3.0	2.3	4.5	8.4	12.6	16.6
Su	19.5	20.4	18.9	15.6	11.6	7.6	3.9	1.6	2.4	5.7	10.2	14.5
9	18.0	19.7	19.0	16.1	12.2	8.1	4.4	1.7	1.8	5.0	10.0	15.0
M	19.2	21.7	21.6	18.9	14.6	9.6	4.9	.9	-.9	.9	5.7	11.3
10	16.4	20.1	21.4	19.9	16.2	11.5	6.9	3.0	.8	1.9	6.4	12.3
Tu	17.8	21.8	23.4	22.1	18.2	12.8	7.2	2.0	-1.9	-2.8	.5	6.5
11	13.0	18.5	22.0	22.6	20.2	15.7	10.5	5.7	1.8	.4	2.8	8.4
W	15.0	20.4	23.8	24.4	21.8	16.9	10.7	4.6	-.6	-4.0	-3.7	.9
12	7.9	14.8	20.2	23.2	23.0	19.8	14.8	9.4	4.6	1.3	.8	4.4
Th	10.8	17.5	22.5	24.9	24.4	20.8	15.1	8.6	2.5	-2.5	-5.0	-3.5
13	2.1	9.5	16.4	21.3	23.6	22.7	19.0	13.8	8.5	4.0	1.4	1.9
F	6.4	13.1	19.3	23.5	25.0	23.5	19.3	13.3	6.9	1.1	-3.3	-5.0
14	-2.5	3.7	11.0	17.3	21.6	23.2	21.8	18.0	12.9	8.0	4.1	2.1
Sa	3.4	8.4	14.8	20.2	23.4	24.0	22.0	17.6	11.8	5.8	.6	-3.0
15	-3.9	-.8	5.3	12.0	17.5	21.1	22.2	20.7	17.0	12.4	8.0	4.7
Su	3.3	5.1	9.9	15.5	19.9	22.2	22.4	20.3	16.2	10.9	5.6	1.1
16	-1.9	-2.2	1.0	6.7	12.4	17.1	20.1	21.1	19.7	16.4	12.3	8.6
M	5.7	4.6	6.4	10.6	15.2	18.6	20.4	20.5	18.7	15.1	10.6	6.2
17	2.4	-.2	-.3	2.7	7.5	12.2	16.2	19.0	20.0	18.9	16.2	12.7
Tu	9.5	6.9	5.8	7.1	10.5	14.0	16.6	18.3	18.7	17.5	14.7	11.0
18	7.4	4.1	1.7	1.4	3.8	7.7	11.6	15.2	18.1	19.4	18.7	16.4
W	13.4	10.5	7.8	6.3	7.0	9.4	12.1	14.4	16.4	17.4	16.9	14.9
19	11.9	8.9	5.8	3.3	2.7	4.4	7.5	11.0	14.5	17.6	19.2	18.8
Th	16.9	14.2	11.2	8.2	6.1	6.1	7.8	10.0	12.5	15.1	16.8	16.9
20	15.5	13.1	10.3	7.2	4.4	3.4	4.6	7.3	10.7	14.5	17.9	19.6
F	19.3	17.4	14.6	11.4	7.8	5.1	4.7	6.0	8.3	11.4	14.7	17.0
21	17.5	16.3	14.0	11.2	7.8	4.7	3.5	4.7	7.4	11.1	15.2	18.7
Sa	20.3	19.7	17.5	14.5	10.6	6.5	3.5	3.0	4.6	7.5	11.3	15.2
22	17.8	18.2	16.9	14.5	11.4	7.7	4.5	3.5	5.1	8.2	12.3	16.6
Su	19.9	20.9	19.7	17.0	13.4	9.0	4.5	1.7	1.8	4.1	7.8	12.3
23	16.4	18.8	18.9	17.1	14.3	10.8	6.9	4.0	3.7	6.0	9.8	14.2
M	18.4	21.0	21.1	19.1	15.7	11.5	6.7	2.3	.2	1.3	4.6	9.1
24	14.0	18.0	19.8	19.1	16.7	13.5	9.7	5.9	3.7	4.5	7.7	12.0
Tu	16.4	20.0	21.6	20.7	17.6	13.6	8.9	4.1	.3	-.6	1.7	6.0
25	11.1	16.0	19.4	20.3	18.8	15.7	12.1	8.3	4.9	3.8	5.9	9.9
W	14.5	18.6	21.2	21.5	19.4	15.5	10.9	6.2	1.7	-1.1	-.5	3.2
26	8.2	13.5	17.9	20.3	20.2	17.8	14.3	10.5	6.9	4.4	4.6	7.9
Th	12.5	16.9	20.2	21.7	20.7	17.5	12.9	8.1	3.6	-.1	-1.5	.6
27	5.3	10.7	15.6	19.2	20.6	19.5	16.5	12.6	8.9	5.9	4.4	6.0
F	10.2	15.0	18.8	21.0	21.3	19.2	15.2	10.3	5.6	1.6	-1.1	-1.1
28	2.3	7.7	12.9	17.2	19.9	20.3	18.4	14.9	11.0	7.7	5.4	5.1
Sa	7.8	12.5	16.9	19.9	21.0	20.2	17.2	12.8	7.9	3.6	.3	-1.2
29	.2	4.5	9.9	14.7	18.1	19.8	19.4	17.0	13.4	9.7	6.9	5.4
Su	6.2	9.7	14.4	18.2	20.1	20.3	18.6	15.2	10.6	6.0	2.4	-.1
30	-.5	1.9	6.7	11.8	15.7	18.3	19.3	18.3	15.6	12.1	8.9	6.7
M	5.9	7.5	11.3	15.6	18.5	19.5	19.0	16.9	13.3	8.9	4.9	1.9

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 60° 41'N Long. 151° 24'W

DECEMBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	.3	.7	3.8	8.6	13.0	16.2	18.0	18.5	17.2	14.5	11.2	8.5
Tu	6.8	6.6	8.6	12.4	16.0	18.0	18.4	17.6	15.3	11.9	7.9	4.4
2	2.1	1.2	2.2	5.5	9.9	13.6	16.1	17.6	17.8	16.4	13.7	10.8
W	8.5	7.2	7.2	9.2	12.6	15.6	17.0	17.2	16.3	14.3	11.1	7.6
3	4.7	2.9	2.3	3.5	6.7	10.7	13.8	15.9	17.2	17.4	16.0	13.4
Th	10.7	8.6	7.4	7.4	9.1	12.1	14.5	15.7	16.1	15.6	13.9	11.0
4	7.9	5.4	3.8	3.3	4.5	7.5	11.0	13.9	15.9	17.3	17.4	16.0
F	13.4	10.7	8.6	7.1	6.8	8.3	10.9	13.2	14.6	15.5	15.5	14.1
5	11.6	8.6	6.3	4.7	3.9	5.0	7.8	11.2	14.1	16.4	17.9	18.0
Sa	16.3	13.5	10.6	8.1	6.1	5.4	6.7	9.4	12.0	14.1	15.8	16.2
6	15.0	12.5	9.6	7.1	5.1	4.1	5.1	8.0	11.6	14.9	17.5	19.1
Su	18.9	16.7	13.4	10.1	7.0	4.4	3.4	4.9	8.0	11.3	14.4	16.8
7	17.5	16.3	13.5	10.3	7.5	5.1	3.8	5.0	8.4	12.5	16.3	19.2
M	20.6	19.8	16.9	13.0	8.9	5.1	2.0	1.1	3.2	7.1	11.5	15.5
8	18.3	19.1	17.5	14.4	10.7	7.4	4.5	3.3	5.0	9.1	13.9	18.1
Tu	21.1	22.0	20.4	16.7	12.0	7.2	2.7	-.5	-1.0	2.0	7.0	12.4
9	17.1	20.1	20.6	18.5	14.8	10.7	6.8	3.8	2.9	5.4	10.4	15.8
W	20.2	23.0	23.2	20.6	16.0	10.5	5.1	.3	-2.9	-2.5	1.7	7.8
10	13.9	18.9	21.7	21.6	18.9	14.7	10.1	6.0	3.0	2.8	6.3	12.0
Th	17.8	22.2	24.4	23.7	20.2	14.8	8.8	3.0	-1.9	-4.5	-3.1	2.2
11	9.1	15.6	20.5	22.9	22.1	18.8	14.2	9.3	5.1	2.5	3.1	7.5
F	13.8	19.6	23.6	25.0	23.5	19.2	13.3	7.0	1.1	-3.5	-5.3	-2.7
12	3.5	10.7	17.2	21.7	23.4	22.1	18.3	13.3	8.5	4.4	2.3	3.8
Sa	8.9	15.3	20.8	24.1	24.8	22.6	17.9	11.8	5.6	-.1	-4.2	-5.0
13	-1.4	5.2	12.3	18.3	22.2	23.3	21.5	17.4	12.5	7.7	4.0	2.6
Su	4.8	10.2	16.3	21.1	23.8	23.9	21.3	16.5	10.5	4.6	-.6	-3.9
14	-3.8	.4	7.0	13.6	18.9	22.2	22.7	20.6	16.5	11.7	7.3	4.0
M	3.2	5.9	11.2	16.6	20.6	22.7	22.5	19.8	15.1	9.6	4.2	-.2
15	-2.8	-2.0	2.4	8.6	14.4	19.0	21.7	21.9	19.6	15.7	11.2	7.3
Tu	4.4	4.0	6.8	11.6	16.1	19.4	21.0	20.7	18.2	14.0	9.1	4.5
16	.8	-1.1	.1	4.4	9.8	14.7	18.6	20.9	20.9	18.7	15.1	11.1
W	7.6	5.1	4.8	7.3	11.2	14.9	17.6	19.1	19.0	16.9	13.3	9.2
17	5.4	2.3	.9	2.2	6.0	10.5	14.6	18.0	20.1	20.1	18.1	14.8
Th	11.3	8.1	5.7	5.2	7.2	10.2	13.1	15.6	17.3	17.6	16.0	13.1
18	9.8	6.7	4.1	2.8	4.0	7.2	10.8	14.4	17.5	19.5	19.6	17.7
F	14.8	11.7	8.6	6.0	5.2	6.5	8.8	11.3	13.8	16.0	16.7	15.7
19	13.5	10.8	8.2	5.7	4.4	5.3	7.8	10.9	14.2	17.3	19.3	19.3
Sa	17.6	14.9	11.9	8.7	5.8	4.5	5.3	7.3	9.8	12.7	15.3	16.5
20	16.0	14.1	11.9	9.4	6.9	5.4	6.0	8.2	11.0	14.3	17.4	19.4
Su	19.3	17.5	14.9	11.7	8.1	4.9	3.4	4.1	6.1	9.0	12.5	15.5
21	17.0	16.5	14.9	12.7	10.1	7.4	5.9	6.5	8.6	11.5	14.9	18.1
M	19.7	19.3	17.3	14.4	10.9	6.9	3.4	2.1	3.0	5.5	9.1	13.1
22	16.4	17.8	17.2	15.4	13.1	10.2	7.3	5.9	6.9	9.3	12.5	16.1
Tu	19.0	20.1	19.1	16.6	13.3	9.4	5.1	1.8	.9	2.6	5.9	10.1
23	14.5	17.6	18.6	17.6	15.5	12.8	9.6	6.8	5.9	7.5	10.5	14.0
W	17.5	19.9	20.3	18.5	15.4	11.6	7.3	3.0	.2	.4	3.1	7.2
24	11.9	16.2	18.9	19.2	17.6	14.9	11.9	8.5	6.1	6.1	8.6	12.2
Th	15.9	19.0	20.6	20.0	17.4	13.6	9.4	4.9	.9	-.8	.6	4.4
25	9.2	14.0	18.0	19.8	19.2	16.9	13.8	10.5	7.3	5.6	6.7	10.1
F	14.1	17.7	20.2	20.8	19.2	15.7	11.4	6.9	2.5	-.7	-1.1	1.7
26	6.4	11.5	16.1	19.3	20.2	18.8	15.8	12.3	8.9	6.1	5.4	7.8
Sa	12.0	16.1	19.2	20.9	20.4	17.8	13.7	9.0	4.5	.5	-1.6	-.6
27	3.5	8.8	13.9	17.9	20.1	20.0	17.7	14.2	10.5	7.3	5.3	5.8
Su	9.2	13.9	17.8	20.2	20.9	19.5	16.1	11.4	6.6	2.4	-.8	-1.7
28	.8	5.8	11.3	15.9	19.1	20.4	19.3	16.4	12.5	8.9	6.1	4.9
M	6.5	10.8	15.5	18.9	20.6	20.4	18.2	14.2	9.3	4.6	.9	-1.4
29	-1.0	2.7	8.2	13.4	17.3	19.7	20.1	18.3	14.8	10.9	7.5	5.3
Tu	5.0	7.6	12.2	16.7	19.4	20.3	19.4	16.6	12.3	7.4	3.1	.1
30	-1.1	.5	5.0	10.5	15.2	18.3	19.8	19.4	17.0	13.3	9.5	6.5
W	4.9	5.4	8.6	13.3	17.1	19.2	19.5	18.1	15.0	10.7	6.1	2.4
31	.2	-.1	2.3	7.2	12.4	16.3	18.7	19.5	18.6	15.8	12.1	8.5
Th	6.0	4.9	5.9	9.3	13.7	16.9	18.3	18.3	16.8	13.7	9.6	5.5

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

SELOOVIA, ALASKA, 1981

Lat. 59° 26'N Long. 151° 43'W

JANUARY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	11.1	9.3	7.4	6.2	6.1	7.2	9.0	11.4	13.7	15.2	15.6	14.7
Th	12.9	10.3	7.3	4.7	3.1	2.9	3.9	5.9	8.6	11.2	13.0	13.6
2	13.2	11.7	9.5	7.3	6.0	6.0	7.3	9.6	12.3	14.7	16.2	16.2
F	14.9	12.5	9.3	5.8	3.0	1.6	1.8	3.4	6.1	9.4	12.4	14.3
3	14.8	13.9	11.8	9.1	6.6	5.4	5.8	7.6	10.4	13.4	16.0	17.2
Sa	16.8	14.9	11.7	7.8	3.9	1.1	.2	1.1	3.5	7.0	10.8	13.9
4	15.7	15.7	14.1	11.4	8.2	5.6	4.7	5.7	8.2	11.5	14.9	17.4
Su	18.2	17.1	14.3	10.3	5.8	1.8	-.6	-.9	1.0	4.3	8.4	12.5
5	15.6	16.8	16.1	13.8	10.4	6.8	4.5	4.1	5.9	9.2	13.0	16.5
M	18.6	18.8	16.9	13.2	8.5	3.6	-.2	-2.0	-1.2	1.6	5.7	10.3
6	14.4	17.0	17.5	16.0	12.9	8.9	5.4	3.5	4.0	6.6	10.4	14.5
Tu	17.9	19.5	18.9	16.1	11.6	6.4	1.5	-1.9	-2.7	-.9	2.8	7.5
7	12.2	16.0	18.0	17.7	15.3	11.5	7.4	4.1	2.9	4.3	7.6	11.9
W	15.9	18.9	19.8	18.3	14.7	9.6	4.2	-.3	-2.8	-2.6	.2	4.6
8	9.5	14.0	17.3	18.4	17.2	14.1	9.9	5.9	3.2	2.8	5.0	8.8
Th	13.1	16.9	19.3	19.5	17.2	13.0	7.7	2.5	-1.4	-2.9	-1.7	1.8
9	6.5	11.4	15.5	18.0	18.2	16.3	12.7	8.5	4.7	2.7	3.1	5.8
F	9.8	13.9	17.3	19.0	18.5	15.7	11.2	6.1	1.4	-1.7	-2.3	-.2
10	3.7	8.4	12.9	16.4	18.1	17.6	15.1	11.3	7.3	4.0	2.6	3.5
Sa	6.5	10.3	14.1	17.0	18.1	17.1	14.1	9.7	5.1	1.1	-1.1	-.9
11	1.6	5.6	10.0	14.0	16.9	17.9	16.8	14.1	10.3	6.5	3.7	2.7
Su	3.9	6.7	10.2	13.6	16.0	16.8	15.7	12.8	8.9	4.9	1.6	.1
12	.7	3.4	7.2	11.2	14.6	17.0	17.5	16.1	13.3	9.7	6.2	3.7
M	2.8	3.9	6.4	9.5	12.4	14.6	15.4	14.5	12.0	8.8	5.4	2.8
13	1.6	2.4	4.9	8.3	11.8	14.9	16.8	17.1	15.7	13.0	9.6	6.3
Tu	3.7	2.7	3.4	5.4	8.2	10.9	13.2	14.3	13.8	12.0	9.4	6.6
14	4.2	3.1	3.7	5.8	8.8	12.0	14.9	16.7	17.0	15.7	13.1	9.8
W	6.4	3.6	2.1	2.4	4.0	6.6	9.4	12.1	13.6	13.8	12.6	10.5
15	7.9	5.5	4.1	4.4	6.1	8.8	11.9	14.9	16.8	17.3	16.1	13.6
Th	10.2	6.4	3.0	1.1	.9	2.4	5.1	8.3	11.5	13.7	14.5	13.8
16	11.9	9.1	6.4	4.6	4.4	5.9	8.6	11.9	15.1	17.3	17.9	16.8
F	14.2	10.4	6.0	2.1	-.3	-.6	.9	4.0	7.9	11.7	14.5	15.6
17	15.1	13.0	9.9	6.6	4.3	3.9	5.4	8.3	12.0	15.6	18.0	18.8
Sa	17.5	14.5	10.1	5.1	.8	-1.8	-2.0	.0	3.7	8.2	12.6	15.7
18	17.0	16.2	13.7	9.9	6.1	3.6	3.2	5.0	8.4	12.5	16.4	19.0
Su	19.6	18.0	14.4	9.4	3.8	-.8	-3.1	-2.9	-.2	4.2	9.3	14.0
19	17.2	18.1	16.9	13.6	9.2	5.1	2.6	2.6	4.9	8.8	13.3	17.4
M	19.8	20.0	17.9	13.7	8.0	2.2	-2.2	-4.0	-3.0	.5	5.5	11.0
20	15.7	18.4	18.8	16.8	12.8	8.0	3.8	1.8	2.4	5.3	9.6	14.4
Tu	18.3	20.4	20.0	17.1	12.3	6.3	.6	-3.1	-4.1	-2.2	2.0	7.4
21	12.9	17.2	19.2	18.8	15.9	11.4	6.5	2.7	1.4	2.7	6.2	10.8
W	15.5	19.0	20.3	19.2	15.6	10.4	4.5	-.6	-3.4	-3.3	-.5	4.1
22	9.6	14.7	18.2	19.4	18.0	14.5	9.8	5.1	2.0	1.5	3.6	7.4
Th	12.0	16.3	19.1	19.6	17.7	13.7	8.4	2.9	-1.2	-2.9	-1.7	1.8
23	6.6	11.8	16.1	18.6	18.7	16.6	12.7	8.1	4.1	1.9	2.3	4.8
F	8.7	13.0	16.6	18.5	18.2	15.7	11.5	6.6	2.0	-1.0	-1.5	.5
24	4.3	9.0	13.5	16.9	18.3	17.5	14.8	10.9	6.8	3.6	2.4	3.4
Sa	6.2	9.8	13.5	16.2	17.3	16.4	13.6	9.6	5.4	1.8	.0	.6
25	3.1	6.8	11.0	14.6	17.0	17.4	15.9	13.0	9.4	6.0	3.7	3.3
Su	4.7	7.3	10.4	13.4	15.3	15.7	14.4	11.7	8.2	4.9	2.4	1.7
26	2.9	5.6	8.9	12.3	15.1	16.5	16.2	14.3	11.5	8.4	5.7	4.2
M	4.2	5.7	8.0	10.5	12.7	14.0	14.0	12.7	10.3	7.6	5.2	3.7
27	3.6	5.1	7.6	10.4	13.1	15.0	15.7	14.9	13.0	10.5	7.9	5.9
Tu	4.8	5.0	6.2	8.0	9.9	11.7	12.7	12.6	11.5	9.7	7.8	6.1
28	5.2	5.4	6.8	8.9	11.2	13.3	14.6	14.9	14.0	12.2	10.0	7.9
W	6.1	5.2	5.2	6.1	7.5	9.1	10.6	11.6	11.8	11.1	9.9	8.5
29	7.3	6.5	6.7	7.9	9.6	11.4	13.1	14.3	14.4	13.5	11.9	10.0
Th	8.0	6.2	5.1	4.9	5.4	6.6	8.1	9.8	11.2	11.7	11.5	10.7
30	9.5	8.3	7.4	7.3	8.2	9.6	11.4	13.1	14.2	14.5	13.7	12.2
F	10.2	7.9	5.8	4.3	3.9	4.4	5.6	7.5	9.7	11.4	12.4	12.4
31	11.7	10.4	8.7	7.5	7.2	7.9	9.4	11.3	13.3	14.7	15.1	14.3
Sa	12.6	10.2	7.4	4.8	3.0	2.5	3.2	5.0	7.5	10.2	12.5	13.6

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 59° 26'N Long. 151° 43'W

FEBRUARY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	13.7	12.6	10.7	8.5	6.8	6.4	7.3	9.2	11.6	14.1	15.7	16.1
Su	15.0	12.8	9.7	6.2	3.1	1.3	1.1	2.4	4.9	8.2	11.6	14.1
2	15.2	14.7	13.0	10.3	7.4	5.6	5.4	6.8	9.4	12.5	15.3	17.1
M	17.2	15.7	12.6	8.7	4.5	1.1	-.5	-.1	2.2	5.7	9.7	13.5
3	15.9	16.5	15.4	12.6	9.1	5.8	4.1	4.4	6.6	10.0	13.8	16.9
Tu	18.6	18.2	15.8	11.8	6.9	2.2	-1.0	-2.0	-.5	2.8	7.2	11.8
4	15.6	17.6	17.5	15.2	11.5	7.3	4.0	2.7	3.8	7.0	11.2	15.4
W	18.6	19.8	18.6	15.2	10.3	4.8	.0	-2.7	-2.7	-.1	4.2	9.3
5	14.2	17.6	18.9	17.6	14.4	9.8	5.3	2.2	1.7	3.8	7.8	12.6
Th	17.0	19.9	20.4	18.3	14.0	8.4	2.6	-1.8	-3.7	-2.5	1.2	6.3
6	11.7	16.4	19.2	19.4	17.0	12.8	7.8	3.3	.8	1.2	4.2	8.9
F	13.9	18.1	20.5	20.2	17.3	12.3	6.4	.9	-2.8	-3.6	-1.3	3.2
7	8.7	14.0	18.1	19.9	19.1	15.8	11.0	5.8	1.8	.1	1.4	5.0
Sa	9.9	14.8	18.6	20.3	19.3	15.7	10.5	4.7	-.2	-2.8	-2.5	.7
8	5.6	11.0	15.9	19.1	19.9	18.1	14.2	9.2	4.3	.9	.0	1.9
Su	5.9	10.6	15.1	18.3	19.3	17.7	14.0	8.9	3.8	-.2	-1.8	-.6
9	3.0	7.9	12.9	17.0	19.3	19.2	16.8	12.7	7.8	3.4	.7	.4
M	2.6	6.4	10.7	14.6	17.2	17.7	16.0	12.5	8.0	3.7	.7	-.1
10	1.6	5.3	9.7	14.0	17.3	18.8	18.2	15.5	11.5	7.1	3.3	1.0
Tu	1.0	3.0	6.4	10.1	13.4	15.6	16.0	14.5	11.5	7.9	4.6	2.3
11	2.0	3.7	7.0	10.7	14.3	16.9	17.9	17.0	14.5	10.9	7.1	3.7
W	1.7	1.5	3.1	5.8	8.9	11.8	13.8	14.4	13.5	11.4	8.6	6.0
12	4.2	3.9	5.3	7.9	10.9	13.9	16.1	17.0	16.3	14.1	11.1	7.6
Th	4.4	2.3	1.7	2.6	4.7	7.3	10.1	12.4	13.5	13.3	12.0	9.9
13	7.6	5.8	5.1	5.9	7.9	10.4	13.1	15.3	16.4	16.0	14.4	11.7
F	8.4	5.1	2.5	1.3	1.6	3.3	5.9	8.9	11.7	13.4	13.9	13.2
14	11.4	9.0	6.7	5.5	5.7	7.2	9.6	12.3	14.8	16.3	16.4	15.1
Sa	12.6	9.1	5.3	2.1	.4	.4	2.0	4.9	8.5	11.8	14.2	15.1
15	14.5	12.5	9.6	6.8	5.0	4.9	6.2	8.8	12.0	14.9	16.8	17.2
Su	16.0	13.2	9.2	4.8	1.1	-.8	-.8	1.2	4.7	8.9	12.9	15.5
16	16.5	15.6	13.1	9.5	6.0	3.9	3.7	5.4	8.5	12.2	15.6	17.8
M	18.2	16.7	13.3	8.6	3.6	-.2	-2.0	-1.4	1.3	5.5	10.3	14.5
17	17.1	17.7	16.1	12.7	8.4	4.6	2.5	2.8	5.1	8.8	13.1	16.8
Tu	18.9	18.9	16.7	12.6	7.2	2.0	-1.6	-2.7	-1.3	2.3	7.2	12.4
18	16.4	18.5	18.3	15.7	11.5	6.7	2.9	1.4	2.4	5.4	9.8	14.4
W	18.0	19.7	18.9	15.9	11.1	5.4	.3	-2.6	-2.7	-.2	4.2	9.6
19	14.7	18.2	19.3	18.0	14.5	9.6	4.7	1.5	.8	2.7	6.5	11.3
Th	15.9	19.0	19.9	18.2	14.3	9.0	3.3	-1.0	-2.8	-1.6	1.8	6.9
20	12.2	16.8	19.2	19.2	16.8	12.5	7.3	2.9	.6	1.0	3.8	8.1
F	12.9	17.1	19.4	19.2	16.6	12.2	6.8	1.7	-1.5	-1.9	.3	4.5
21	9.7	14.6	18.2	19.4	18.2	14.8	10.1	5.3	1.7	.5	1.9	5.4
Sa	9.8	14.3	17.7	18.9	17.8	14.5	9.9	4.9	.8	-1.1	-.2	3.0
22	7.5	12.3	16.4	18.7	18.7	16.4	12.5	7.9	3.7	1.3	1.2	3.4
Su	7.1	11.3	15.1	17.5	17.7	15.8	12.3	7.9	3.7	.9	.4	2.3
23	5.9	10.2	14.3	17.2	18.3	17.1	14.2	10.2	6.1	3.0	1.6	2.5
M	5.1	8.6	12.2	15.1	16.5	16.0	13.7	10.3	6.5	3.5	1.9	2.5
24	4.9	8.5	12.2	15.3	17.1	17.1	15.2	12.0	8.4	5.1	3.0	2.6
Tu	4.0	6.6	9.6	12.4	14.4	15.0	14.1	11.8	8.9	6.1	4.1	3.6
25	4.8	7.4	10.5	13.4	15.5	16.3	15.5	13.3	10.3	7.3	4.9	3.6
W	3.7	5.2	7.4	9.8	11.8	13.2	13.4	12.4	10.5	8.4	6.5	5.4
26	5.4	6.8	9.1	11.6	13.6	15.0	15.2	14.1	11.9	9.4	7.1	5.3
Th	4.4	4.7	5.9	7.5	9.2	10.8	11.8	12.1	11.4	10.1	8.7	7.5
27	6.8	7.0	8.2	9.9	11.8	13.3	14.2	14.2	13.1	11.3	9.3	7.4
F	5.9	5.0	5.0	5.8	6.9	8.3	9.7	10.9	11.4	11.3	10.6	9.6
28	8.7	7.9	7.9	8.6	9.9	11.3	12.6	13.5	13.7	12.9	11.5	9.7
Sa	7.9	6.2	5.0	4.5	4.9	5.8	7.3	9.0	10.6	11.7	12.0	11.6

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

SELOOVIA, ALASKA, 1981

Lat. 59° 26'N Long. 151° 43'W

MARCH

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	10.7	9.5	8.3	7.8	8.1	9.2	10.6	12.2	13.5	14.0	13.6	12.3
Su	10.4	8.2	5.9	4.1	3.3	3.5	4.7	6.6	9.0	11.2	12.8	13.3
2	12.9	11.6	9.7	7.8	6.8	7.0	8.2	10.1	12.3	14.1	15.1	14.8
M	13.3	11.0	8.0	4.9	2.6	1.6	2.1	3.9	6.7	9.9	12.8	14.5
3	14.9	13.9	11.7	8.9	6.4	5.2	5.5	7.4	10.1	13.1	15.5	16.7
Tu	16.2	14.2	10.9	6.9	3.1	.5	-.1	1.1	3.9	7.7	11.7	14.9
4	16.5	16.3	14.3	11.0	7.2	4.3	3.2	4.3	7.0	10.7	14.5	17.4
W	18.5	17.4	14.5	10.1	5.2	.9	-1.5	-1.4	.9	4.9	9.7	14.2
5	17.3	18.3	17.0	13.8	9.4	4.9	2.0	1.4	3.4	7.3	11.9	16.3
Th	19.2	19.9	18.0	14.0	8.6	3.1	-1.2	-3.0	-1.8	1.8	6.8	12.2
6	16.8	19.4	19.4	16.9	12.4	7.1	2.4	-.2	.2	3.3	8.1	13.4
F	18.0	20.7	20.6	17.7	12.8	6.7	1.0	-2.8	-3.5	-1.1	3.6	9.3
7	14.9	19.1	20.8	19.6	15.8	10.4	4.6	.1	-1.7	-.3	3.8	9.3
Sa	14.9	19.3	21.3	20.4	16.7	11.1	4.8	-.5	-3.4	-2.9	.6	6.0
8	12.0	17.3	20.6	21.2	18.8	14.1	8.1	2.4	-1.5	-2.4	.0	4.7
Su	10.5	15.9	19.8	21.0	19.3	15.1	9.4	3.4	-1.1	-2.9	-1.3	3.0
9	8.6	14.3	18.9	21.2	20.6	17.3	12.1	6.1	.9	-2.2	-2.2	.8
M	5.7	11.2	16.1	19.3	19.9	17.7	13.4	8.0	2.8	-.7	-1.3	1.0
10	5.5	10.8	15.8	19.4	20.7	19.3	15.5	10.2	4.7	.3	-1.9	-1.3
Tu	1.9	6.5	11.4	15.5	18.0	18.1	15.8	11.9	7.3	3.2	.7	.8
11	3.4	7.6	12.3	16.3	19.0	19.4	17.5	13.8	9.0	4.3	.7	-.9
W	-.1	2.8	6.7	10.8	14.2	16.2	16.2	14.3	11.1	7.5	4.3	2.6
12	3.0	5.4	8.9	12.7	15.8	17.7	17.8	15.9	12.7	8.7	4.8	1.7
Th	.4	1.0	3.2	6.3	9.6	12.5	14.3	14.6	13.3	11.1	8.4	5.9
13	4.6	4.9	6.6	9.3	12.1	14.6	16.2	16.3	14.9	12.3	9.2	5.9
F	3.1	1.6	1.7	3.1	5.4	8.2	10.9	12.9	13.7	13.2	11.8	9.7
14	7.6	6.1	5.8	6.8	8.7	10.9	13.2	14.8	15.3	14.6	12.8	10.2
Sa	7.1	4.2	2.3	1.7	2.4	4.2	6.8	9.8	12.2	13.6	13.9	13.0
15	11.1	8.8	6.8	5.8	6.1	7.5	9.6	12.0	14.0	15.1	15.0	13.7
Su	11.3	8.1	4.7	2.2	1.0	1.4	3.2	6.1	9.5	12.5	14.5	15.1
16	14.2	12.0	9.1	6.5	4.9	4.9	6.2	8.6	11.5	14.1	15.7	15.9
M	14.7	12.0	8.3	4.4	1.4	.1	.6	2.8	6.4	10.3	13.8	15.9
17	16.3	15.0	12.1	8.4	5.2	3.5	3.5	5.2	8.2	11.8	14.9	16.8
Tu	17.0	15.4	12.1	7.6	3.3	.3	-.8	.4	3.4	7.6	12.0	15.5
18	17.4	17.2	15.0	11.2	6.9	3.5	1.9	2.5	5.0	8.8	12.9	16.2
W	18.0	17.6	15.3	11.2	6.2	1.7	-.9	-1.1	1.0	4.9	9.7	14.3
19	17.4	18.5	17.3	14.0	9.4	4.8	1.6	.8	2.3	5.7	10.1	14.5
Th	17.7	18.8	17.6	14.3	9.5	4.3	.2	-1.5	-.6	2.6	7.3	12.4
20	16.6	18.9	18.8	16.4	12.1	7.0	2.5	.1	.3	2.9	7.1	12.0
F	16.3	18.8	18.9	16.7	12.6	7.3	2.4	-.7	-1.2	1.0	5.1	10.2
21	15.0	18.4	19.5	18.1	14.5	9.6	4.5	.7	-.6	.8	4.4	9.1
Sa	13.9	17.6	19.2	18.2	15.1	10.4	5.2	1.0	-.8	.1	3.3	8.0
22	13.0	17.2	19.3	19.0	16.4	12.0	6.9	2.3	-.3	-.3	2.2	6.3
Su	11.1	15.4	18.2	18.7	16.7	13.0	8.2	3.6	.6	.1	2.2	6.2
23	10.9	15.3	18.4	19.2	17.6	14.0	9.3	4.6	1.0	-.4	.8	4.0
M	8.3	12.7	16.2	17.9	17.4	14.7	10.8	6.4	2.8	1.1	1.9	4.9
24	9.0	13.3	16.7	18.5	18.0	15.4	11.4	6.9	3.0	.6	.4	2.5
Tu	6.0	10.0	13.6	16.1	16.8	15.5	12.6	8.9	5.4	3.0	2.5	4.2
25	7.5	11.4	14.8	17.1	17.6	16.2	13.0	9.1	5.3	2.3	1.1	1.9
W	4.3	7.6	11.0	13.7	15.3	15.2	13.6	10.8	7.8	5.3	4.0	4.4
26	6.6	9.7	12.8	15.3	16.5	16.2	14.1	11.0	7.5	4.5	2.6	2.2
Th	3.4	5.8	8.6	11.1	13.0	13.9	13.6	12.0	9.8	7.6	5.9	5.4
27	6.3	8.4	11.0	13.3	14.9	15.4	14.5	12.4	9.6	6.8	4.6	3.4
F	3.4	4.6	6.6	8.7	10.5	11.9	12.6	12.3	11.1	9.5	8.0	7.0
28	6.8	7.7	9.4	11.4	13.0	14.0	14.2	13.3	11.4	9.1	6.9	5.2
Sa	4.2	4.2	5.1	6.5	8.1	9.6	10.9	11.7	11.7	11.1	10.0	9.0
29	8.1	7.7	8.2	9.4	10.9	12.1	13.1	13.4	12.8	11.3	9.5	7.6
Su	5.9	4.7	4.3	4.7	5.7	7.1	8.8	10.4	11.6	12.1	11.9	11.0
30	9.9	8.6	7.8	7.8	8.5	9.8	11.2	12.5	13.3	13.2	12.1	10.4
M	8.4	6.3	4.5	3.5	3.6	4.6	6.3	8.5	10.7	12.5	13.3	13.1
31	12.1	10.3	8.3	6.8	6.3	7.1	8.6	10.6	12.7	14.1	14.4	13.5
Tu	11.5	8.9	6.0	3.5	2.1	2.1	3.5	6.0	9.0	12.0	14.2	15.1

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 59° 26'N Long. 151° 43'W

APRIL

Predicted hourly heights in feet

Oay	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	14.5	12.6	9.9	7.0	4.9	4.3	5.4	7.7	10.7	13.6	15.6	16.1
W	14.9	12.4	8.8	5.0	1.8	.3	.8	3.1	6.6	10.5	14.2	16.5
2	16.9	15.4	12.4	8.5	4.7	2.4	2.2	4.0	7.4	11.4	15.1	17.5
Th	17.9	16.1	12.6	8.0	3.3	-.1	-1.2	.1	3.5	8.1	12.9	16.7
3	18.7	18.3	15.6	11.3	6.3	2.0	-.2	.3	3.3	7.8	12.8	17.0
F	19.4	19.2	16.6	12.1	6.6	1.5	-1.8	-2.1	.4	4.9	10.4	15.6
4	19.2	20.4	18.8	14.9	9.4	3.6	-.8	-2.4	-.8	3.2	8.7	14.3
Sa	18.7	20.8	19.9	16.4	11.0	4.9	-.1	-2.7	-2.0	1.6	7.1	13.0
5	18.1	21.1	21.2	18.4	13.3	7.0	1.0	-3.0	-3.7	-1.1	3.9	10.0
Su	15.7	19.9	21.3	19.6	15.4	9.5	3.4	-1.1	-2.7	-.9	3.6	9.5
6	15.4	20.0	22.1	21.0	17.1	11.2	4.6	-1.1	-4.3	-4.0	-.6	4.9
M	11.1	16.6	20.2	20.9	18.6	13.9	8.1	2.5	-1.2	-1.7	1.0	5.9
7	11.8	17.2	20.9	21.9	19.8	15.3	9.1	2.8	-2.2	-4.5	-3.4	.5
Tu	6.0	11.9	16.8	19.6	19.7	17.0	12.4	7.1	2.3	-.3	.0	3.2
8	8.1	13.4	17.9	20.6	20.7	18.1	13.3	7.5	1.9	-2.2	-3.6	-2.0
W	1.8	6.9	12.0	16.1	18.3	17.9	15.4	11.3	6.7	3.0	1.2	2.1
9	5.2	9.6	14.0	17.6	19.4	18.9	16.1	11.7	6.7	2.0	-1.3	-2.1
Th	-.5	2.9	7.2	11.4	14.8	16.5	16.2	14.0	10.7	7.1	4.3	3.1
10	4.0	6.7	10.2	13.6	16.3	17.6	16.9	14.5	10.8	6.7	2.9	.3
F	-.3	.9	3.6	6.9	10.4	13.2	14.8	14.8	13.3	10.9	8.1	5.8
11	4.8	5.4	7.3	9.8	12.5	14.6	15.7	15.2	13.5	10.7	7.5	4.3
Sa	2.0	1.2	1.8	3.6	6.2	9.2	11.9	13.6	14.1	13.3	11.6	9.4
12	7.2	5.9	5.9	6.9	8.7	10.9	12.9	14.2	14.3	13.3	11.3	8.7
Su	5.8	3.3	2.0	2.0	3.2	5.4	8.3	11.1	13.2	14.2	14.0	12.6
13	10.4	8.0	6.1	5.4	5.9	7.3	9.4	11.6	13.4	14.1	13.7	12.3
M	9.8	6.8	3.9	2.1	1.7	2.7	4.9	8.0	11.2	13.7	15.0	14.9
14	13.5	10.8	7.8	5.4	4.3	4.5	6.0	8.4	11.2	13.5	14.7	14.6
Tu	13.2	10.4	6.9	3.7	1.7	1.2	2.4	5.1	8.7	12.3	14.9	16.2
15	15.8	13.7	10.4	6.8	4.0	2.7	3.2	5.2	8.4	11.7	14.4	15.7
W	15.5	13.6	10.3	6.3	2.9	.9	.9	2.8	6.2	10.3	14.0	16.5
16	17.2	16.0	13.1	9.0	4.9	2.2	1.3	2.5	5.4	9.2	13.0	15.7
Th	16.8	16.0	13.3	9.3	5.0	1.7	.4	1.3	4.0	8.1	12.5	16.0
17	17.9	17.6	15.4	11.5	6.8	2.7	.4	.5	2.6	6.4	10.7	14.7
F	17.1	17.4	15.8	12.3	7.7	3.4	.7	.4	2.4	6.0	10.6	14.9
18	17.8	18.6	17.2	13.8	9.1	4.2	.6	-.7	.4	3.6	8.1	12.7
Sa	16.3	18.0	17.4	14.8	10.6	5.9	2.1	.4	1.2	4.3	8.6	13.3
19	17.1	19.0	18.5	15.9	11.5	6.4	1.8	-.9	-1.0	1.3	5.3	10.1
Su	14.6	17.5	18.2	16.7	13.2	8.7	4.2	1.3	.8	2.9	6.7	11.3
20	15.7	18.5	19.2	17.4	13.7	8.8	3.8	.0	-1.5	-.4	2.9	7.4
M	12.1	16.0	18.0	17.7	15.2	11.3	6.8	3.1	1.3	2.1	5.1	9.4
21	13.8	17.3	19.0	18.3	15.5	11.1	6.2	1.8	-.9	-1.1	1.1	4.9
Tu	9.4	13.6	16.6	17.6	16.4	13.4	9.4	5.5	2.7	2.2	4.0	7.6
22	11.7	15.5	17.9	18.4	16.6	13.1	8.5	4.0	.6	-.9	.1	3.0
W	6.9	11.0	14.4	16.4	16.5	14.7	11.5	8.0	4.8	3.2	3.7	6.2
23	9.8	13.4	16.3	17.6	17.0	14.5	10.7	6.5	2.7	.4	.0	1.7
Th	4.8	8.4	11.8	14.4	15.6	15.0	13.0	10.1	7.1	5.0	4.3	5.5
24	8.2	11.4	14.3	16.2	16.6	15.3	12.4	8.7	5.1	2.3	.9	1.3
F	3.3	6.2	9.3	11.9	13.8	14.4	13.5	11.6	9.3	7.1	5.7	5.6
25	7.1	9.6	12.2	14.2	15.4	15.2	13.5	10.8	7.6	4.7	2.6	1.9
Sa	2.6	4.5	7.0	9.4	11.5	12.9	13.3	12.5	11.0	9.1	7.5	6.6
26	6.7	8.1	10.1	12.1	13.6	14.3	13.9	12.3	9.9	7.3	4.9	3.3
Su	2.8	3.4	5.0	7.1	9.1	10.9	12.2	12.7	12.2	11.0	9.5	8.2
27	7.2	7.2	8.2	9.7	11.3	12.6	13.3	13.1	11.9	9.9	7.7	5.6
M	4.0	3.2	3.6	4.8	6.6	8.6	10.5	12.1	12.9	12.7	11.7	10.2
28	8.6	7.3	6.8	7.3	8.6	10.1	11.7	12.8	13.1	12.4	10.7	8.6
Tu	6.3	4.3	3.1	3.1	4.1	6.0	8.3	10.8	12.8	13.9	13.7	12.6
29	10.7	8.4	6.4	5.4	5.6	7.0	9.0	11.2	13.1	13.9	13.5	11.9
W	9.5	6.7	4.0	2.3	2.1	3.3	5.7	8.7	11.8	14.3	15.5	15.1
30	13.4	10.6	7.4	4.6	3.2	3.5	5.4	8.2	11.3	14.0	15.4	15.1
Th	13.2	10.2	6.6	3.2	1.1	1.0	2.8	5.9	9.8	13.6	16.4	17.4

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

SELOOVIA, ALASKA, 1981

Lat. 59° 26'N Long. 151° 43'W

MAY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	16.4	13.7	9.8	5.5	2.1	.6	1.4	4.1	8.0	12.1	15.5	17.1
F	16.7	14.3	10.4	5.9	2.0	-.1	.2	2.8	6.9	11.7	15.9	18.6
2	19.0	17.1	13.2	8.1	3.0	-.7	-1.8	-.2	3.5	8.4	13.4	17.2
Sa	18.8	17.9	14.7	10.0	4.8	.7	-1.1	.0	3.6	8.6	13.9	18.3
3	20.5	20.1	17.1	12.0	6.0	.3	-3.2	-3.7	-1.1	3.7	9.4	14.9
Su	18.7	20.0	18.4	14.5	9.1	3.6	-.3	-1.5	.6	5.0	10.6	16.2
4	20.2	21.8	20.3	16.2	10.2	3.6	-2.0	-5.0	-4.6	-1.1	4.4	10.6
M	16.1	19.7	20.4	18.2	13.7	8.0	2.6	-.8	-1.1	1.8	6.8	12.7
5	17.9	21.4	22.0	19.6	14.7	8.2	1.5	-3.6	-5.8	-4.6	-.4	5.5
Tu	11.7	16.9	19.9	20.0	17.3	12.6	7.0	2.1	-.6	.0	3.4	8.6
6	14.2	18.9	21.5	21.3	18.2	12.9	6.4	.2	-4.2	-5.5	-3.6	.9
W	6.6	12.4	17.0	19.4	19.0	16.1	11.5	6.3	2.2	.4	1.5	5.2
7	10.1	15.0	18.9	20.7	19.8	16.4	11.1	5.2	-.3	-3.7	-4.3	-2.1
Th	2.2	7.5	12.6	16.5	18.3	17.6	14.8	10.6	6.2	2.9	1.8	3.2
8	6.6	10.8	15.0	18.0	19.1	17.8	14.5	9.8	4.7	.2	-2.5	-2.6
F	-.4	3.4	7.9	12.2	15.5	16.9	16.2	13.7	10.3	6.6	4.0	3.3
9	4.6	7.4	10.8	14.1	16.4	17.1	15.9	13.0	9.2	5.0	1.4	-.7
Sa	-.7	1.1	4.2	7.9	11.5	14.3	15.5	15.1	13.2	10.4	7.5	5.2
10	4.5	5.4	7.5	10.0	12.6	14.6	15.2	14.3	12.2	9.2	5.8	2.8
Su	1.0	.9	2.2	4.6	7.6	10.8	13.4	14.7	14.5	13.2	10.9	8.3
11	6.2	5.2	5.5	6.8	8.8	11.0	12.9	13.8	13.4	12.0	9.7	6.9
M	4.2	2.4	1.9	2.7	4.7	7.4	10.4	13.0	14.4	14.6	13.6	11.5
12	8.9	6.5	5.1	4.9	5.7	7.5	9.7	11.8	13.0	13.2	12.3	10.5
Tu	7.9	5.2	3.2	2.4	3.0	4.7	7.5	10.6	13.2	14.8	15.1	14.0
13	11.8	8.9	6.1	4.3	3.8	4.5	6.4	9.0	11.4	13.1	13.6	13.0
W	11.1	8.4	5.5	3.3	2.4	3.1	5.1	8.1	11.4	14.1	15.6	15.7
14	14.2	11.5	8.1	4.9	2.9	2.5	3.6	6.0	9.0	11.9	13.8	14.4
Th	13.6	11.4	8.3	5.1	2.9	2.4	3.5	6.0	9.4	12.9	15.5	16.5
15	16.0	13.9	10.4	6.5	3.2	1.4	1.5	3.2	6.3	9.9	13.0	14.9
F	15.2	13.9	11.1	7.5	4.3	2.4	2.5	4.3	7.5	11.3	14.7	16.8
16	17.2	15.8	12.7	8.6	4.3	1.2	.1	1.0	3.6	7.4	11.4	14.5
Sa	16.0	15.7	13.6	10.2	6.4	3.3	2.1	3.0	5.7	9.4	13.4	16.5
17	17.9	17.3	14.8	10.9	6.2	2.1	-.4	-.7	1.3	4.8	9.1	13.2
Su	15.9	16.8	15.6	12.8	8.9	5.0	2.5	2.3	4.1	7.5	11.7	15.5
18	17.9	18.3	16.6	13.2	8.5	3.7	.0	-1.5	-.6	2.3	6.5	11.0
M	14.8	16.9	16.9	14.9	11.5	7.4	3.9	2.2	3.0	5.7	9.7	13.8
19	17.1	18.7	18.0	15.2	10.9	6.0	1.5	-1.3	-1.7	.3	3.9	8.4
Tu	12.8	16.0	17.3	16.4	13.7	9.9	6.0	3.2	2.5	4.3	7.7	11.8
20	15.6	18.1	18.6	16.8	13.2	8.5	3.7	-.1	-1.9	-1.1	1.7	5.8
W	10.2	14.1	16.6	17.0	15.3	12.2	8.4	5.0	3.1	3.5	6.0	9.7
21	13.5	16.7	18.2	17.7	15.0	10.9	6.3	2.0	-.9	-1.6	.1	3.5
Th	7.6	11.6	14.8	16.4	16.1	13.9	10.7	7.2	4.5	3.6	4.8	7.7
22	11.3	14.7	17.0	17.6	16.2	13.0	8.8	4.5	.9	-.9	-.6	1.7
F	5.2	9.0	12.5	14.9	15.8	14.9	12.5	9.5	6.6	4.7	4.5	6.2
23	9.2	12.4	15.1	16.6	16.5	14.5	11.1	7.1	3.3	.6	-.4	.6
Sa	3.3	6.6	10.0	12.8	14.6	14.9	13.7	11.4	8.8	6.4	5.1	5.5
24	7.4	10.2	12.9	14.9	15.8	15.1	12.9	9.6	6.0	2.9	.9	.5
Su	1.9	4.5	7.5	10.4	12.8	14.1	14.2	12.9	10.8	8.5	6.6	5.7
25	6.2	8.0	10.4	12.6	14.1	14.7	13.9	11.8	8.8	5.7	3.1	1.6
M	1.5	2.8	5.2	8.0	10.5	12.7	13.9	13.8	12.6	10.7	8.6	6.8
26	5.9	6.3	7.8	9.8	11.7	13.2	13.8	13.2	11.3	8.7	6.0	3.7
Tu	2.2	2.1	3.3	5.5	8.1	10.7	12.8	14.0	14.0	12.8	10.9	8.7
27	6.7	5.5	5.6	6.8	8.6	10.6	12.3	13.3	13.1	11.6	9.3	6.7
W	4.3	2.7	2.3	3.4	5.5	8.2	11.0	13.4	14.8	14.8	13.5	11.3
28	8.6	6.1	4.4	4.1	5.2	7.2	9.6	11.9	13.4	13.7	12.5	10.3
Th	7.6	4.8	2.8	2.1	3.1	5.5	8.5	11.8	14.5	16.1	15.9	14.3
29	11.5	8.1	4.7	2.5	2.0	3.2	5.7	8.9	12.0	14.2	14.8	13.8
F	11.4	8.3	4.9	2.4	1.6	2.8	5.6	9.2	13.1	16.1	17.6	17.2
30	14.9	11.3	6.9	2.8	.2	-.3	1.4	4.7	8.7	12.6	15.4	16.3
Sa	15.1	12.4	8.6	4.6	1.8	1.0	2.6	6.0	10.4	14.7	17.9	19.2
31	18.2	15.1	10.5	5.2	.5	-2.3	-2.4	.1	4.2	9.1	13.7	16.8
Su	17.7	16.2	12.9	8.4	4.0	1.0	.6	2.8	6.8	11.8	16.4	19.6

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 59° 26'N Long. 151° 43'W

JUNE

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	20.5	18.8	14.8	9.2	3.2	-1.8	-4.3	-3.8	-.6	4.4	10.0	15.0
M	18.1	18.7	16.8	12.8	7.8	3.2	.4	.5	3.3	8.0	13.3	18.0
2	20.9	21.2	18.6	13.8	7.6	1.2	-3.6	-5.7	-4.4	-.4	5.2	11.1
Tu	16.2	19.0	19.2	16.7	12.3	7.0	2.4	.1	.8	4.3	9.3	14.7
3	19.1	21.5	21.1	17.8	12.5	5.9	-.4	-4.8	-6.1	-4.1	.4	6.3
W	12.2	17.0	19.4	19.0	16.1	11.4	6.2	2.0	.3	1.6	5.4	10.5
4	15.6	19.6	21.3	20.2	16.5	10.9	4.4	-1.4	-5.0	-5.5	-3.0	1.7
Th	7.5	13.1	17.3	19.1	18.3	15.2	10.5	5.6	2.0	1.0	2.7	6.5
5	11.3	16.0	19.3	20.3	18.7	14.8	9.4	3.5	-1.6	-4.4	-4.2	-1.4
F	3.2	8.6	13.6	17.1	18.4	17.2	14.1	9.7	5.4	2.5	2.0	3.9
6	7.5	11.7	15.6	18.2	18.7	16.9	13.2	8.2	3.1	-1.1	-3.1	-2.4
Sa	.4	4.6	9.3	13.6	16.5	17.3	16.1	13.1	9.3	5.6	3.3	3.1
7	4.9	7.9	11.5	14.7	16.7	16.9	15.1	11.8	7.6	3.3	.0	-1.3
Su	-.5	2.1	5.7	9.8	13.4	15.8	16.3	15.1	12.5	9.2	6.1	4.2
8	4.0	5.4	7.9	10.7	13.3	15.0	15.1	13.6	10.9	7.5	4.0	1.4
M	.5	1.3	3.5	6.6	10.0	13.1	15.1	15.5	14.4	12.2	9.4	6.6
9	4.8	4.5	5.5	7.3	9.7	11.9	13.4	13.6	12.6	10.5	7.8	5.0
Tu	2.9	2.0	2.7	4.5	7.2	10.2	12.9	14.7	15.0	14.1	12.1	9.5
10	6.9	5.1	4.5	5.0	6.5	8.6	10.7	12.3	12.8	12.2	10.6	8.4
W	5.9	4.0	3.2	3.7	5.3	7.7	10.6	13.1	14.7	15.0	14.0	12.1
11	9.4	6.7	4.7	3.8	4.2	5.6	7.7	10.1	11.9	12.6	12.3	11.1
Th	9.0	6.6	4.7	3.8	4.3	5.9	8.4	11.2	13.7	15.1	15.2	14.1
12	11.9	8.9	5.9	3.7	2.8	3.3	4.9	7.4	10.1	12.1	13.1	12.9
F	11.6	9.4	6.8	4.8	4.1	4.7	6.6	9.3	12.2	14.6	15.7	15.5
13	13.9	11.2	7.8	4.6	2.4	1.7	2.6	4.7	7.7	10.7	13.0	13.9
Sa	13.5	11.9	9.3	6.6	4.6	4.1	5.2	7.5	10.5	13.6	15.7	16.4
14	15.6	13.4	10.0	6.2	2.9	.9	.8	2.3	5.1	8.6	11.9	14.1
Su	14.8	14.0	11.8	8.8	5.9	4.1	4.1	5.8	8.7	12.0	15.1	16.9
15	16.9	15.3	12.3	8.4	4.2	1.0	-.3	.3	2.6	6.2	10.1	13.4
M	15.3	15.5	14.0	11.2	7.8	5.0	3.7	4.4	6.8	10.1	13.7	16.5
16	17.7	17.0	14.6	10.8	6.3	2.1	-.6	-1.1	.4	3.6	7.7	11.8
Tu	14.9	16.3	15.7	13.6	10.2	6.6	4.1	3.5	5.0	8.0	11.8	15.3
17	17.7	18.1	16.5	13.2	8.8	4.1	.3	-1.7	-1.2	1.2	5.1	9.4
W	13.4	16.0	16.7	15.4	12.6	8.9	5.4	3.5	3.7	6.0	9.6	13.4
18	16.6	18.3	17.9	15.5	11.5	6.7	2.1	-1.1	-2.1	-.7	2.6	6.8
Th	11.2	14.8	16.7	16.6	14.6	11.3	7.5	4.5	3.3	4.4	7.3	11.1
19	14.8	17.5	18.4	17.1	13.9	9.5	4.6	.5	-1.9	-1.8	.5	4.2
F	8.6	12.7	15.6	16.8	16.0	13.4	9.9	6.4	4.0	3.6	5.4	8.7
20	12.4	15.7	17.8	17.9	15.8	12.1	7.5	2.9	-.5	-1.9	-.9	2.0
Sa	6.0	10.1	13.7	16.1	16.5	15.0	12.1	8.7	5.6	3.8	4.2	6.5
21	9.9	13.4	16.1	17.4	16.8	14.3	10.3	5.8	1.8	-.8	-1.4	.4
Su	3.6	7.6	11.4	14.4	16.1	15.9	13.9	11.0	7.7	5.1	4.0	4.9
22	7.4	10.6	13.7	15.9	16.6	15.5	12.7	8.8	4.7	1.3	-.5	-.4
M	1.8	5.2	8.9	12.3	14.8	15.9	15.2	13.0	10.1	7.1	4.9	4.2
23	5.4	7.8	10.8	13.4	15.2	15.6	14.3	11.5	7.9	4.3	1.5	.2
Tu	.8	3.2	6.4	9.9	12.9	15.0	15.7	14.7	12.4	9.6	6.8	4.8
24	4.3	5.4	7.6	10.2	12.6	14.2	14.6	13.4	10.9	7.7	4.6	2.2
W	1.2	2.0	4.3	7.4	10.6	13.4	15.2	15.7	14.5	12.2	9.4	6.6
25	4.5	3.8	4.7	6.7	9.2	11.5	13.3	13.9	13.0	10.9	8.1	5.3
Th	3.1	2.1	2.8	5.0	7.9	11.1	13.8	15.7	16.0	14.8	12.4	9.4
26	6.3	3.9	2.8	3.4	5.3	7.8	10.5	12.6	13.7	13.3	11.5	9.0
F	6.3	3.9	2.7	3.2	5.3	8.3	11.5	14.5	16.4	16.7	15.4	12.7
27	9.3	5.7	2.7	1.3	1.7	3.6	6.5	9.7	12.5	14.1	14.1	12.6
Sa	10.1	7.1	4.4	2.9	3.3	5.3	8.5	12.1	15.3	17.4	17.7	16.1
28	13.1	9.0	4.7	1.2	-.6	-.2	2.0	5.5	9.4	12.9	15.0	15.3
Su	13.9	11.1	7.7	4.5	2.7	3.0	5.2	8.8	12.8	16.4	18.6	18.7
29	16.8	13.2	8.4	3.4	-.6	-2.5	-1.8	.9	5.1	9.7	13.8	16.2
M	16.6	15.0	11.8	7.7	4.1	2.1	2.6	5.2	9.2	13.7	17.5	19.7
30	19.6	17.2	12.9	7.4	1.8	-2.4	-4.1	-3.0	.5	5.3	10.6	15.0
Tu	17.5	17.7	15.6	11.8	7.3	3.4	1.5	2.3	5.4	9.9	14.7	18.6

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

SELOOVIA, ALASKA, 1981

Lat. 59° 26'N Long. 151° 43'W

JULY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	20.6	20.1	17.1	12.2	6.1	.2	-3.9	-5.1	-3.3	.8	6.2	11.8
W	16.3	18.6	18.3	15.7	11.4	6.5	2.5	1.0	2.3	5.9	10.7	15.7
2	19.5	21.1	20.0	16.5	11.0	4.6	-1.1	-4.8	-5.3	-2.9	1.8	7.5
Th	13.1	17.3	19.2	18.4	15.2	10.5	5.5	1.9	.9	2.7	6.6	11.6
3	16.4	19.8	20.9	19.3	15.3	9.6	3.3	-2.0	-4.9	-4.7	-1.6	3.3
F	9.0	14.4	18.0	19.2	17.8	14.2	9.4	4.6	1.6	1.2	3.4	7.5
4	12.3	16.7	19.6	20.0	17.9	13.7	8.0	2.2	-2.3	-4.3	-3.3	.2
Sa	5.1	10.5	15.3	18.2	18.7	16.8	13.0	8.3	4.1	1.7	1.9	4.4
5	8.3	12.7	16.5	18.7	18.6	16.2	12.0	6.8	1.7	-1.9	-2.9	-1.3
Su	2.2	6.9	11.8	15.7	17.9	17.7	15.5	11.8	7.6	4.0	2.3	2.9
6	5.4	8.9	12.7	15.8	17.3	16.8	14.3	10.4	5.9	1.8	-.8	-1.1
M	.9	4.3	8.5	12.6	15.8	17.2	16.5	14.2	10.8	7.1	4.2	3.1
7	3.8	6.1	9.1	12.2	14.7	15.7	15.0	12.7	9.3	5.6	2.5	.8
Tu	1.0	3.0	6.1	9.7	13.1	15.5	16.3	15.4	13.1	10.1	7.0	4.7
8	3.8	4.5	6.4	8.9	11.4	13.4	14.1	13.4	11.5	8.8	5.9	3.6
W	2.5	3.0	4.8	7.5	10.5	13.3	15.1	15.5	14.4	12.4	9.7	7.0
9	5.1	4.3	4.8	6.3	8.3	10.4	12.1	12.9	12.3	10.9	8.8	6.6
Th	4.8	4.0	4.6	6.2	8.5	11.1	13.4	14.8	14.9	13.8	11.9	9.5
10	7.1	5.1	4.3	4.6	5.7	7.5	9.6	11.3	12.1	12.0	11.0	9.3
F	7.5	5.9	5.2	5.6	7.1	9.1	11.5	13.5	14.7	14.6	13.6	11.7
11	9.3	6.8	4.8	3.8	3.9	5.0	6.9	9.1	11.0	12.1	12.2	11.5
Sa	10.0	8.2	6.5	5.8	6.2	7.5	9.6	11.9	13.9	14.9	14.8	13.6
12	11.5	8.9	6.1	3.9	2.9	3.1	4.4	6.6	9.1	11.4	12.7	13.0
Su	12.2	10.6	8.5	6.6	5.8	6.3	7.8	10.1	12.6	14.6	15.5	15.2
13	13.6	11.2	8.0	4.9	2.6	1.7	2.3	4.1	6.8	9.8	12.4	13.8
M	13.9	12.8	10.7	8.2	6.2	5.4	6.2	8.1	10.8	13.6	15.6	16.3
14	15.6	13.5	10.4	6.7	3.3	1.1	.6	1.8	4.3	7.6	11.1	13.7
Tu	15.0	14.7	13.0	10.3	7.4	5.3	4.9	6.2	8.7	11.8	14.8	16.8
15	17.1	15.7	12.9	9.1	5.0	1.5	-.3	-.1	1.8	5.1	9.0	12.7
W	15.2	16.0	15.0	12.6	9.3	6.2	4.3	4.5	6.5	9.6	13.2	16.2
16	17.9	17.6	15.5	11.9	7.4	3.0	-.3	-1.4	-.3	2.6	6.5	10.8
Th	14.5	16.5	16.6	14.8	11.7	7.9	4.8	3.5	4.5	7.2	10.9	14.7
17	17.6	18.7	17.6	14.6	10.3	5.3	1.0	-1.7	-1.9	.2	3.9	8.4
F	12.8	16.0	17.4	16.6	14.0	10.2	6.3	3.6	3.1	4.9	8.3	12.3
18	16.1	18.5	18.9	17.0	13.2	8.3	3.3	-.7	-2.5	-1.6	1.4	5.7
Sa	10.4	14.6	17.2	17.7	16.0	12.7	8.6	4.9	2.8	3.1	5.6	9.5
19	13.7	17.1	19.0	18.5	15.8	11.5	6.3	1.5	-1.7	-2.5	-.6	3.2
Su	7.8	12.4	16.0	17.8	17.4	15.0	11.2	7.0	3.7	2.4	3.5	6.6
20	10.7	14.6	17.6	18.7	17.6	14.3	9.6	4.6	.4	-1.9	-1.7	1.0
M	5.2	9.8	14.0	16.9	17.9	16.7	13.6	9.6	5.7	3.0	2.4	4.1
21	7.5	11.5	15.0	17.4	17.9	16.2	12.6	8.1	3.5	.0	-1.4	-.2
Tu	2.9	7.2	11.6	15.2	17.4	17.5	15.7	12.3	8.4	4.8	2.7	2.6
22	4.6	8.0	11.6	14.8	16.7	16.7	14.8	11.3	7.1	3.2	.5	-.1
W	1.5	4.9	8.9	12.8	15.8	17.4	16.9	14.7	11.3	7.6	4.4	2.6
23	2.8	4.8	7.9	11.2	13.9	15.5	15.4	13.6	10.5	6.9	3.6	1.6
Th	1.4	3.2	6.4	10.1	13.5	16.1	17.1	16.4	14.0	10.7	7.2	4.3
24	2.6	2.7	4.5	7.2	10.1	12.7	14.3	14.4	12.9	10.4	7.4	4.7
F	2.9	2.9	4.5	7.4	10.7	13.8	16.1	16.9	16.1	13.8	10.7	7.3
25	4.2	2.4	2.2	3.6	5.9	8.7	11.4	13.3	13.8	12.9	11.0	8.4
Sa	5.9	4.2	3.9	5.2	7.8	10.8	13.8	16.0	17.0	16.3	14.1	11.0
26	7.5	4.1	1.8	1.2	2.2	4.4	7.4	10.4	12.8	14.0	13.6	12.1
Su	9.7	7.1	5.0	4.3	5.3	7.6	10.6	13.7	16.2	17.4	16.8	14.8
27	11.5	7.6	3.7	.9	-.2	.7	3.0	6.4	10.0	13.1	14.8	14.8
M	13.4	10.8	7.7	5.2	4.0	4.8	7.1	10.3	13.8	16.7	18.1	17.7
28	15.5	11.9	7.4	2.9	-.4	-1.7	-.7	2.1	6.0	10.4	14.0	16.0
Tu	16.2	14.5	11.5	7.7	4.6	3.3	4.0	6.6	10.3	14.3	17.5	19.1
29	18.6	16.1	11.9	6.7	1.6	-1.9	-3.0	-1.6	1.8	6.5	11.4	15.3
W	17.4	17.3	15.2	11.4	7.1	3.6	2.3	3.3	6.4	10.6	15.1	18.5
30	20.0	19.2	16.2	11.3	5.5	.2	-3.2	-3.8	-1.8	2.4	7.7	12.9
Th	16.9	18.7	18.0	15.1	10.6	5.9	2.4	1.4	3.0	6.7	11.4	16.0
31	19.4	20.6	19.3	15.6	10.1	4.0	-1.2	-4.0	-3.9	-1.0	3.8	9.5
F	14.7	18.3	19.4	17.9	14.3	9.3	4.5	1.4	1.0	3.2	7.4	12.4

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 59° 26'N Long. 151° 43'W

AUGUST

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	17.0	20.0	20.6	18.6	14.3	8.5	2.5	-2.1	-4.1	-3.0	.6	5.8
Sa	11.5	16.3	19.2	19.4	17.1	12.9	7.7	3.2	.8	1.2	4.0	8.5
2	13.4	17.6	20.0	19.9	17.2	12.5	6.8	1.3	-2.4	-3.3	-1.3	2.8
Su	8.1	13.4	17.5	19.4	18.7	15.7	11.2	6.3	2.4	.8	2.0	5.2
3	9.6	14.2	17.8	19.3	18.4	15.3	10.6	5.3	.7	-1.9	-1.7	1.0
M	5.4	10.4	14.9	18.0	18.8	17.3	13.9	9.5	5.1	2.1	1.5	3.2
4	6.5	10.6	14.5	17.3	18.0	16.6	13.3	8.9	4.3	.8	-.5	.6
Tu	3.6	7.8	12.2	15.8	17.8	17.7	15.6	12.2	8.1	4.5	2.5	2.5
5	4.5	7.6	11.1	14.3	16.2	16.3	14.6	11.4	7.7	4.1	1.8	1.4
W	3.0	6.1	9.8	13.3	16.0	17.0	16.2	13.9	10.7	7.3	4.5	3.2
6	3.7	5.6	8.3	11.1	13.5	14.8	14.5	12.8	10.2	7.2	4.7	3.3
Th	3.5	5.3	8.1	11.1	13.9	15.6	16.0	14.8	12.5	9.7	6.9	4.9
7	4.0	4.6	6.2	8.3	10.6	12.4	13.3	13.0	11.6	9.6	7.5	5.7
F	4.9	5.5	7.1	9.4	11.8	13.8	15.0	14.9	13.6	11.6	9.3	7.0
8	5.3	4.7	5.1	6.3	7.9	9.7	11.3	12.2	12.1	11.2	9.8	8.3
Sa	7.0	6.4	6.8	8.2	10.0	11.9	13.5	14.4	14.2	13.1	11.3	9.3
9	7.3	5.6	4.8	4.9	5.8	7.1	8.9	10.6	11.7	12.0	11.5	10.5
Su	9.2	8.0	7.3	7.5	8.5	10.0	11.7	13.3	14.2	14.1	13.1	11.5
10	9.5	7.3	5.4	4.3	4.2	4.9	6.4	8.4	10.4	11.9	12.6	12.4
M	11.4	10.0	8.4	7.4	7.3	8.2	9.8	11.7	13.5	14.6	14.6	13.6
11	11.8	9.5	6.9	4.6	3.2	3.1	4.0	5.9	8.5	11.0	12.9	13.7
Tu	13.4	12.1	10.1	8.1	6.8	6.7	7.8	9.7	12.0	14.2	15.5	15.5
12	14.2	12.0	9.0	5.8	3.1	1.8	1.9	3.5	6.1	9.3	12.3	14.3
W	15.0	14.2	12.3	9.6	7.0	5.6	5.8	7.4	10.0	12.9	15.4	16.7
13	16.5	14.7	11.7	7.9	4.1	1.3	.3	1.2	3.6	7.0	10.9	14.1
Th	16.0	16.1	14.5	11.7	8.3	5.5	4.3	5.1	7.4	10.8	14.3	17.0
14	18.1	17.2	14.6	10.7	6.1	2.0	-.5	-.8	1.1	4.5	8.7	13.0
F	16.1	17.4	16.7	14.1	10.4	6.4	3.7	3.1	4.8	8.1	12.1	16.0
15	18.6	19.1	17.4	13.8	9.0	4.0	-.1	-1.9	-1.1	1.8	6.2	11.0
Sa	15.3	17.9	18.3	16.5	12.9	8.5	4.4	2.1	2.4	5.1	9.2	13.7
16	17.6	19.8	19.6	16.9	12.4	7.0	1.8	-1.7	-2.5	-.6	3.4	8.4
Su	13.5	17.3	19.2	18.5	15.6	11.1	6.3	2.5	1.0	2.3	5.8	10.5
17	15.2	18.8	20.3	19.2	15.7	10.6	4.9	.1	-2.5	-2.1	.9	5.7
M	11.0	15.7	18.9	19.6	17.8	14.0	9.1	4.3	1.1	.5	2.7	6.9
18	11.8	16.3	19.4	20.1	18.2	14.0	8.7	3.3	-.7	-2.3	-.8	3.1
Tu	8.2	13.3	17.4	19.6	19.3	16.6	12.2	7.2	2.8	.4	.7	3.5
19	7.9	12.7	16.7	19.1	19.1	16.6	12.3	7.2	2.4	-.6	-1.1	1.2
W	5.5	10.4	15.0	18.3	19.6	18.4	15.0	10.5	5.7	2.0	.3	1.2
20	4.3	8.6	12.9	16.3	18.1	17.6	15.0	10.9	6.4	2.5	.4	.7
Th	3.5	7.6	12.1	16.0	18.5	18.9	17.1	13.6	9.2	5.0	1.8	.7
21	1.8	4.8	8.6	12.3	15.2	16.6	16.0	13.6	10.1	6.4	3.4	2.0
F	2.7	5.4	9.2	13.0	16.1	17.9	17.9	16.0	12.6	8.7	5.0	2.2
22	1.3	2.3	4.8	8.0	11.1	13.7	15.0	14.7	12.9	10.2	7.3	4.9
Sa	3.8	4.5	6.7	9.8	13.0	15.6	17.1	17.0	15.3	12.4	8.9	5.5
23	2.9	1.8	2.3	4.2	6.8	9.7	12.2	13.8	14.0	12.9	11.0	8.6
Su	6.4	5.2	5.5	7.2	9.6	12.4	14.8	16.4	16.5	15.2	12.8	9.7
24	6.3	3.4	1.8	1.7	3.0	5.4	8.2	11.1	13.3	14.1	13.7	12.2
M	10.0	7.6	6.0	5.6	6.7	8.8	11.5	14.1	16.0	16.6	15.8	13.7
25	10.6	7.0	3.5	1.3	.7	1.7	4.1	7.3	10.8	13.6	15.0	15.0
Tu	13.6	11.0	8.1	5.8	4.9	5.7	7.8	10.7	13.8	16.2	17.3	16.8
26	14.7	11.3	7.1	3.0	.3	-.6	.6	3.4	7.2	11.4	14.6	16.4
W	16.4	14.6	11.4	7.7	4.8	3.7	4.5	6.9	10.4	14.1	17.0	18.4
27	17.9	15.4	11.4	6.5	1.9	-1.0	-1.7	.0	3.5	8.1	12.7	16.3
Th	17.9	17.4	14.9	10.9	6.5	3.4	2.3	3.5	6.6	10.8	15.0	18.2
28	19.5	18.6	15.5	10.7	5.2	.5	-2.2	-2.2	.3	4.6	9.8	14.7
F	18.0	19.1	17.8	14.3	9.5	4.8	1.8	1.2	3.2	7.0	11.8	16.3
29	19.4	20.2	18.6	14.7	9.3	3.5	-.9	-2.8	-1.8	1.6	6.6	12.1
Sa	16.8	19.4	19.6	17.2	12.9	7.6	3.0	.5	.8	3.6	8.1	13.2
30	17.6	20.2	20.2	17.7	13.1	7.4	1.9	-1.8	-2.6	-.5	3.8	9.2
Su	14.5	18.5	20.1	19.1	15.8	10.8	5.5	1.4	-.1	1.2	4.8	9.7
31	14.7	18.6	20.3	19.4	16.1	11.1	5.5	.7	-1.8	-1.3	1.7	6.5
M	11.9	16.6	19.5	19.9	17.8	13.7	8.5	3.7	.6	.2	2.4	6.5

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

SELOOVIA, ALASKA, 1981

Lat. 59° 26'N Long. 151° 43'W

SEPTEMBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	11.3	15.8	18.9	19.6	17.8	14.0	9.0	3.9	.3	-.9	.8	4.5
Tu	9.3	14.2	17.9	19.5	18.7	15.7	11.3	6.5	2.5	.6	1.2	4.1
2	8.2	12.6	16.3	18.4	18.2	15.8	11.8	7.3	3.2	.8	1.0	3.4
W	7.4	11.8	15.7	18.2	18.6	16.9	13.4	9.2	5.0	2.1	1.3	2.8
3	5.8	9.6	13.3	16.1	17.2	16.3	13.7	10.0	6.3	3.4	2.2	3.3
Th	6.1	9.8	13.5	16.4	17.7	17.1	14.7	11.3	7.6	4.4	2.5	2.6
4	4.4	7.3	10.4	13.3	15.2	15.6	14.3	11.9	8.9	6.2	4.4	4.2
F	5.7	8.4	11.5	14.3	16.1	16.5	15.3	12.8	9.7	6.8	4.5	3.5
5	4.0	5.7	8.1	10.5	12.6	13.9	13.9	12.8	10.8	8.7	6.8	5.8
Sa	6.1	7.7	10.0	12.3	14.2	15.3	15.2	13.8	11.5	9.0	6.8	5.1
6	4.5	5.0	6.4	8.2	10.0	11.5	12.6	12.7	11.9	10.6	9.1	7.9
Su	7.3	7.6	8.9	10.6	12.2	13.6	14.3	14.0	12.8	11.0	9.0	7.3
7	5.9	5.2	5.5	6.3	7.6	9.0	10.5	11.7	12.1	11.8	11.1	10.1
M	9.0	8.3	8.4	9.1	10.3	11.6	12.8	13.6	13.6	12.7	11.3	9.6
8	7.9	6.3	5.3	5.1	5.6	6.6	8.2	10.0	11.5	12.4	12.6	12.1
Tu	11.0	9.7	8.6	8.2	8.6	9.6	10.9	12.4	13.6	13.9	13.3	12.0
9	10.2	8.1	6.0	4.6	4.0	4.5	5.8	7.8	10.2	12.3	13.5	13.8
W	13.1	11.6	9.6	7.9	7.1	7.4	8.7	10.6	12.7	14.3	15.0	14.5
10	12.9	10.6	7.7	5.0	3.1	2.6	3.4	5.4	8.2	11.3	13.8	15.1
Th	15.1	13.7	11.4	8.6	6.4	5.5	6.2	8.1	10.8	13.6	15.8	16.5
11	15.7	13.5	10.3	6.5	3.2	1.3	1.2	2.9	5.8	9.6	13.2	15.8
F	16.8	16.0	13.6	10.2	6.7	4.3	3.8	5.3	8.2	11.8	15.3	17.6
12	18.1	16.6	13.4	9.1	4.7	1.1	-.4	.4	3.2	7.2	11.8	15.7
Sa	17.9	18.1	16.2	12.6	8.2	4.3	2.2	2.5	5.0	8.9	13.4	17.2
13	19.4	19.2	16.8	12.6	7.4	2.5	-.8	-1.4	.6	4.5	9.5	14.4
Su	18.1	19.6	18.7	15.5	10.8	5.7	1.8	.3	1.7	5.3	10.2	15.2
14	19.0	20.7	19.6	16.2	11.0	5.3	.5	-2.0	-1.5	1.7	6.7	12.2
M	17.1	20.1	20.5	18.3	13.9	8.4	3.1	-.3	-.8	1.7	6.3	11.7
15	16.8	20.3	21.2	19.2	14.9	9.2	3.5	-.8	-2.3	-.5	3.8	9.3
Tu	14.9	19.2	21.3	20.5	17.0	11.8	5.9	1.0	-1.7	-1.1	2.3	7.5
16	13.1	17.9	20.7	20.8	18.1	13.2	7.5	2.2	-1.2	-1.4	1.3	6.3
W	11.9	17.0	20.5	21.4	19.5	15.2	9.6	3.9	-.5	-2.1	-.7	3.3
17	8.7	14.0	18.2	20.2	19.6	16.5	11.6	6.3	1.8	-.5	.3	3.7
Th	8.7	13.9	18.3	20.7	20.6	17.9	13.3	7.8	2.6	-.9	-1.7	.3
18	4.4	9.4	14.1	17.5	19.0	18.0	14.8	10.4	5.9	2.4	1.1	2.4
F	6.0	10.6	15.0	18.4	20.0	19.2	16.2	11.7	6.8	2.4	-.4	-.7
19	1.4	5.1	9.4	13.4	16.2	17.3	16.3	13.6	9.9	6.3	3.7	3.0
Sa	4.5	7.7	11.5	15.1	17.7	18.6	17.6	14.8	10.9	6.7	3.0	.8
20	.6	2.3	5.3	8.8	12.1	14.5	15.6	15.0	13.0	10.3	7.5	5.4
Su	4.8	6.0	8.5	11.4	14.2	16.3	17.1	16.3	14.0	10.9	7.4	4.2
21	2.1	1.6	2.6	4.8	7.6	10.5	13.0	14.4	14.4	13.2	11.2	8.9
M	7.0	6.1	6.6	8.2	10.5	12.8	14.8	15.9	15.6	14.1	11.6	8.6
22	5.5	3.1	2.0	2.3	3.9	6.3	9.2	12.0	14.0	14.7	14.1	12.6
Tu	10.2	7.9	6.4	6.2	7.2	9.0	11.4	13.7	15.3	15.7	14.8	12.8
23	9.9	6.5	3.5	1.7	1.5	2.8	5.3	8.6	12.0	14.5	15.7	15.4
W	13.7	11.0	8.0	5.8	5.0	5.7	7.6	10.4	13.3	15.6	16.5	16.0
24	14.0	10.6	6.7	3.1	.9	.6	2.0	5.1	9.0	12.9	15.8	17.1
Th	16.6	14.3	10.8	7.1	4.4	3.4	4.2	6.7	10.2	13.8	16.5	17.7
25	17.0	14.6	10.6	6.0	2.1	-.1	-.1	2.0	5.8	10.4	14.6	17.4
F	18.4	17.2	14.0	9.7	5.4	2.6	1.9	3.3	6.6	10.8	14.9	17.8
26	18.8	17.6	14.4	9.7	4.7	.8	-.9	-.1	2.9	7.5	12.5	16.7
Sa	19.0	19.1	16.9	12.8	7.7	3.3	.8	.9	3.3	7.4	12.2	16.4
27	19.0	19.4	17.4	13.4	8.1	3.0	-.3	-1.0	.9	4.9	10.0	15.0
Su	18.6	20.0	18.9	15.6	10.6	5.3	1.3	-.3	.8	4.2	9.0	14.0
28	17.9	19.8	19.2	16.3	11.6	6.2	1.6	-.7	-.2	2.8	7.5	12.8
M	17.3	20.0	20.1	17.8	13.4	8.0	3.0	-.2	-.6	1.7	5.8	10.9
29	15.7	19.0	19.9	18.3	14.5	9.5	4.4	.7	-.3	1.5	5.4	10.4
Tu	15.4	19.0	20.3	19.1	15.7	10.8	5.5	1.2	-.8	.1	3.3	7.9
30	12.9	17.0	19.3	19.1	16.6	12.4	7.5	3.2	.8	1.2	4.0	8.4
W	13.1	17.3	19.6	19.6	17.2	13.1	8.1	3.4	.3	-.3	1.6	5.3

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 59° 26'N Long. 151° 43'W

OCTOBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	9.9	14.3	17.5	18.7	17.5	14.5	10.4	6.1	2.9	1.8	3.3	6.8
Th	11.0	15.2	18.1	19.2	18.0	14.8	10.5	6.0	2.3	.4	.9	3.5
2	7.3	11.4	15.0	17.1	17.4	15.6	12.5	8.8	5.5	3.5	3.6	5.8
F	9.3	13.0	16.2	18.0	17.9	15.8	12.4	8.3	4.6	2.1	1.3	2.7
3	5.5	8.9	12.2	14.8	16.1	15.7	13.8	11.0	8.0	5.7	4.8	5.7
Sa	8.1	11.2	14.1	16.2	17.0	16.1	13.7	10.4	7.0	4.3	2.7	2.8
4	4.4	6.9	9.7	12.1	13.9	14.6	14.0	12.3	10.1	8.1	6.6	6.4
Su	7.6	9.7	12.2	14.2	15.4	15.5	14.3	12.0	9.2	6.6	4.7	3.8
5	4.2	5.6	7.6	9.7	11.5	12.8	13.3	12.8	11.6	10.1	8.7	7.8
M	7.8	8.8	10.5	12.2	13.5	14.3	14.2	13.0	11.1	8.9	7.0	5.5
6	4.8	5.1	6.1	7.5	9.0	10.6	11.8	12.5	12.4	11.7	10.7	9.7
Tu	8.8	8.6	9.2	10.2	11.4	12.5	13.2	13.3	12.6	11.1	9.4	7.8
7	6.3	5.4	5.2	5.7	6.8	8.2	9.9	11.5	12.6	12.9	12.5	11.7
W	10.4	9.2	8.5	8.5	9.2	10.3	11.6	12.8	13.3	13.0	11.9	10.4
8	8.5	6.6	5.1	4.5	4.8	5.9	7.6	9.8	12.0	13.5	14.1	13.6
Th	12.4	10.5	8.6	7.3	7.1	7.8	9.3	11.2	13.1	14.2	14.2	13.2
9	11.3	8.8	6.2	4.1	3.2	3.6	5.2	7.7	10.7	13.5	15.2	15.6
F	14.6	12.5	9.7	7.0	5.3	5.2	6.5	8.8	11.6	14.2	15.8	15.8
10	14.4	11.7	8.3	4.9	2.5	1.7	2.8	5.3	8.8	12.5	15.6	17.2
Sa	17.0	15.0	11.8	7.9	4.6	3.0	3.4	5.6	9.0	12.8	16.0	17.7
11	17.4	15.2	11.5	7.2	3.2	.7	.6	2.6	6.3	10.7	15.0	18.1
Su	19.0	17.8	14.6	10.1	5.4	1.8	.6	2.0	5.3	9.9	14.5	18.0
12	19.4	18.4	15.3	10.7	5.5	1.3	-.7	.1	3.4	8.1	13.3	17.7
M	20.3	20.3	17.7	13.2	7.7	2.5	-.8	-1.2	1.3	5.8	11.3	16.3
13	19.8	20.7	18.8	14.7	9.2	3.8	-.2	-1.3	.7	5.0	10.6	16.0
Tu	20.1	21.8	20.6	16.7	11.1	4.9	-.2	-2.9	-2.2	1.5	6.9	12.8
14	17.9	20.9	21.1	18.4	13.5	7.7	2.3	-.9	-1.0	2.1	7.3	13.1
W	18.4	21.7	22.3	19.9	15.0	8.7	2.4	-2.3	-3.9	-2.2	2.3	8.2
15	14.2	18.9	21.2	20.6	17.2	12.1	6.3	1.5	-.8	.2	4.1	9.6
Th	15.3	19.9	22.3	21.8	18.4	12.9	6.5	.6	-3.2	-3.9	-1.4	3.5
16	9.4	14.9	19.0	20.6	19.4	15.8	10.7	5.5	1.6	.3	2.1	6.3
F	11.6	16.7	20.4	21.8	20.4	16.5	11.0	5.0	-.1	-3.1	-3.0	-.1
17	4.7	10.0	14.9	18.2	19.3	17.8	14.4	9.9	5.5	2.5	2.0	4.1
Sa	8.1	12.8	16.9	19.7	20.3	18.5	14.7	9.6	4.4	.2	-2.0	-1.5
18	1.3	5.5	10.1	14.2	16.9	17.7	16.3	13.4	9.7	6.2	3.9	3.8
Su	5.8	9.2	12.9	16.2	18.2	18.5	16.7	13.4	9.1	4.8	1.4	-.3
19	.1	2.4	5.8	9.5	12.9	15.3	16.1	15.3	13.1	10.2	7.4	5.5
M	5.3	6.8	9.2	12.1	14.6	16.3	16.6	15.3	12.8	9.5	6.0	3.0
20	1.3	1.4	2.9	5.5	8.5	11.6	14.0	15.2	14.9	13.5	11.2	8.7
Tu	6.8	6.1	6.8	8.4	10.6	12.8	14.6	15.3	14.7	13.0	10.4	7.4
21	4.5	2.6	2.1	2.9	4.8	7.6	10.7	13.4	15.0	15.3	14.3	12.3
W	9.7	7.4	6.0	6.0	7.0	8.9	11.2	13.4	14.7	14.8	13.8	11.6
22	8.7	5.6	3.2	2.1	2.5	4.2	7.1	10.5	13.6	15.6	16.2	15.3
Th	13.1	10.0	7.0	5.1	4.5	5.4	7.4	10.2	13.0	14.9	15.6	14.8
23	12.6	9.4	5.8	3.0	1.7	2.1	4.1	7.4	11.3	14.6	16.8	17.2
F	16.0	13.1	9.4	5.8	3.5	2.9	4.1	6.7	10.2	13.5	15.8	16.6
24	15.7	13.1	9.3	5.3	2.3	1.2	2.0	4.7	8.6	12.8	16.3	18.1
Sa	18.0	16.0	12.2	7.8	3.9	1.7	1.6	3.5	6.9	11.0	14.7	17.0
25	17.5	16.0	12.7	8.4	4.2	1.5	1.0	2.7	6.2	10.6	15.0	18.0
Su	19.1	18.1	15.0	10.4	5.5	1.8	.2	1.0	3.8	8.0	12.6	16.3
26	18.1	17.9	15.6	11.6	6.9	2.9	1.0	1.5	4.2	8.4	13.1	17.1
M	19.4	19.4	17.2	13.1	7.9	3.1	.0	-.6	1.3	5.0	9.8	14.5
27	17.7	18.8	17.6	14.4	9.9	5.2	2.0	1.1	2.7	6.3	11.0	15.6
Tu	18.9	20.1	18.8	15.4	10.5	5.2	.9	-1.2	-.5	2.5	7.0	11.9
28	16.2	18.6	18.8	16.6	12.8	8.1	3.9	1.6	2.0	4.7	9.0	13.7
W	17.7	19.9	19.7	17.2	12.9	7.7	2.8	-.6	-1.3	.5	4.3	9.1
29	13.9	17.4	18.8	17.9	15.0	10.8	6.4	3.1	2.1	3.6	7.1	11.6
Th	15.8	18.9	19.8	18.4	14.9	10.2	5.2	1.0	-1.0	-.5	2.3	6.5
30	11.1	15.2	17.8	18.2	16.5	13.2	9.1	5.4	3.2	3.3	5.8	9.6
F	13.7	17.2	19.1	18.8	16.4	12.4	7.7	3.3	.3	-.5	1.0	4.4
31	8.5	12.6	15.8	17.4	17.0	14.8	11.4	7.9	5.1	4.0	5.1	8.0
Sa	11.6	15.1	17.6	18.3	17.1	14.1	10.0	5.8	2.4	.5	.7	2.9

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

SELOOVIA, ALASKA, 1981

Lat. 59° 26'N Long. 151° 43'W

NOVEMBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	6.3	10.0	13.3	15.6	16.4	15.4	13.1	10.2	7.4	5.5	5.3	7.0
Su	9.9	13.0	15.6	17.0	16.9	15.1	11.9	8.2	4.8	2.3	1.4	2.3
2	4.7	7.7	10.7	13.2	14.8	15.1	13.9	11.9	9.5	7.5	6.4	6.8
M	8.6	11.0	13.4	15.2	15.9	15.3	13.2	10.3	7.2	4.6	2.9	2.6
3	3.8	5.9	8.4	10.8	12.7	13.9	14.0	13.0	11.3	9.6	8.1	7.4
Tu	7.9	9.4	11.4	13.1	14.2	14.6	13.8	12.0	9.5	7.1	5.0	3.8
4	3.7	4.7	6.5	8.5	10.4	12.1	13.2	13.4	12.7	11.4	10.0	8.8
W	8.1	8.4	9.4	10.8	12.1	13.1	13.5	13.0	11.6	9.6	7.5	5.8
5	4.6	4.3	5.0	6.4	8.1	10.0	11.8	13.1	13.6	13.1	12.0	10.6
Th	9.1	8.1	7.9	8.5	9.7	11.0	12.2	13.0	13.0	12.0	10.3	8.3
6	6.4	4.9	4.2	4.6	5.9	7.8	10.0	12.2	13.8	14.5	14.0	12.7
F	10.8	8.7	7.1	6.4	6.9	8.2	10.0	11.9	13.4	13.8	13.0	11.4
7	9.1	6.6	4.5	3.5	3.9	5.4	7.8	10.6	13.4	15.3	15.9	15.1
Sa	13.1	10.3	7.4	5.1	4.3	5.0	7.0	9.6	12.4	14.5	15.2	14.5
8	12.4	9.5	6.3	3.6	2.4	3.0	5.2	8.4	12.0	15.3	17.3	17.5
Su	15.9	12.9	9.0	5.2	2.6	1.9	3.3	6.1	9.8	13.5	16.1	16.9
9	15.9	13.1	9.4	5.4	2.4	1.3	2.6	5.6	9.8	14.1	17.6	19.3
M	18.7	16.1	11.9	6.9	2.5	-.2	-.3	2.0	6.0	10.7	15.1	17.9
10	18.6	16.9	13.3	8.7	4.1	1.1	.6	2.7	6.8	11.7	16.5	19.9
Tu	20.9	19.4	15.5	10.2	4.4	-.4	-2.7	-1.9	1.5	6.5	12.1	16.8
11	19.6	19.7	17.2	12.9	7.6	2.8	.1	.4	3.5	8.5	14.0	18.8
W	21.7	21.9	19.2	14.2	8.0	1.7	-2.8	-4.4	-2.7	1.7	7.6	13.5
12	18.2	20.6	20.1	16.9	12.0	6.4	1.8	-.2	1.0	4.9	10.4	16.0
Th	20.5	22.7	21.9	18.2	12.5	5.7	-.5	-4.5	-5.1	-2.5	2.6	8.8
13	14.7	19.1	20.9	19.7	16.1	10.9	5.4	1.4	.2	2.1	6.6	12.2
F	17.5	21.4	22.7	21.0	16.7	10.5	3.9	-1.8	-5.0	-4.8	-1.5	3.8
14	9.9	15.5	19.2	20.4	18.8	14.9	9.8	4.9	1.6	1.1	3.6	8.2
Sa	13.5	18.2	21.2	21.8	19.5	14.9	8.9	2.8	-2.1	-4.5	-3.6	-.1
15	5.1	10.6	15.5	18.7	19.3	17.5	13.8	9.2	5.0	2.4	2.5	5.1
Su	9.3	13.9	17.8	20.1	20.1	17.6	13.2	7.9	2.5	-1.5	-3.1	-1.9
16	1.4	6.0	10.8	15.0	17.6	18.0	16.3	13.1	9.1	5.6	3.6	3.9
M	6.3	9.8	13.5	16.7	18.4	18.1	15.8	12.1	7.5	3.1	-.1	-1.3
17	-.2	2.7	6.5	10.6	14.2	16.4	16.8	15.4	12.8	9.5	6.6	4.9
Tu	5.0	6.8	9.4	12.4	14.9	16.4	16.2	14.5	11.5	7.9	4.3	1.6
18	.6	1.3	3.5	6.6	10.1	13.3	15.4	16.0	15.1	13.0	10.3	7.6
W	5.8	5.5	6.5	8.4	10.8	13.0	14.6	14.8	13.8	11.6	8.8	5.7
19	3.2	2.0	2.3	4.0	6.6	9.7	12.8	15.0	15.8	15.3	13.6	11.0
Th	8.2	6.1	5.2	5.6	7.0	9.1	11.5	13.3	14.1	13.7	12.2	9.8
20	6.9	4.4	2.9	2.9	4.1	6.6	9.7	12.8	15.1	16.2	15.8	14.1
F	11.3	8.2	5.6	4.3	4.3	5.6	7.9	10.6	12.9	14.2	14.2	13.0
21	10.6	7.6	4.9	3.2	3.1	4.4	6.9	10.3	13.5	15.9	16.8	16.3
Sa	14.2	10.9	7.3	4.4	2.9	3.0	4.6	7.3	10.5	13.2	14.8	15.0
22	13.6	11.0	7.7	4.8	3.1	3.2	4.9	7.8	11.5	14.8	17.0	17.5
Su	16.4	13.7	9.8	5.8	2.8	1.5	2.0	4.3	7.7	11.3	14.3	15.8
23	15.6	13.9	10.8	7.2	4.2	2.9	3.5	5.8	9.4	13.2	16.4	18.1
M	17.9	15.9	12.3	7.9	3.7	1.0	.3	1.7	4.8	8.8	12.8	15.6
24	16.7	16.0	13.6	9.9	6.2	3.5	2.9	4.3	7.4	11.3	15.2	17.9
Tu	18.8	17.6	14.7	10.3	5.5	1.6	-.4	-.1	2.2	6.1	10.5	14.5
25	16.9	17.3	15.8	12.6	8.6	5.0	3.0	3.3	5.6	9.4	13.5	17.1
W	19.0	18.8	16.6	12.7	7.9	3.1	-.2	-1.2	.2	3.5	7.9	12.5
26	16.0	17.7	17.3	14.9	11.2	7.2	4.0	3.0	4.3	7.4	11.5	15.6
Th	18.5	19.4	18.1	14.9	10.3	5.3	1.0	-1.3	-1.1	1.3	5.3	10.0
27	14.3	17.2	18.0	16.6	13.6	9.7	5.8	3.5	3.5	5.7	9.4	13.6
F	17.1	19.2	19.0	16.7	12.7	7.8	3.1	-.4	-1.6	-.2	3.0	7.3
28	11.9	15.6	17.6	17.5	15.5	12.1	8.2	5.0	3.6	4.6	7.5	11.4
Sa	15.2	18.0	19.1	17.9	14.8	10.4	5.6	1.5	-.9	-1.0	1.3	5.0
29	9.2	13.3	16.2	17.4	16.5	14.0	10.6	7.1	4.7	4.3	6.1	9.3
Su	13.0	16.2	18.1	18.2	16.2	12.6	8.2	3.9	.7	-.7	.3	3.1
30	6.8	10.7	14.1	16.2	16.6	15.2	12.5	9.4	6.6	5.0	5.4	7.6
M	10.8	14.0	16.4	17.5	16.8	14.3	10.6	6.5	2.9	.6	.2	1.8

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 59° 26'N Long. 151° 43'W

OECEMBER

Predicted hourly heights in feet

Oay	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	4.8	8.3	11.6	14.3	15.7	15.6	13.9	11.4	8.7	6.5	5.7	6.6
Tu	8.9	11.7	14.2	15.9	16.4	15.2	12.5	9.0	5.5	2.7	1.2	1.4
2	3.3	6.2	9.3	12.1	14.2	15.1	14.6	13.0	10.7	8.5	6.8	6.4
W	7.4	9.5	11.9	13.8	15.0	15.1	13.7	11.2	8.1	5.2	3.0	2.0
3	2.6	4.5	7.1	9.8	12.2	14.0	14.7	14.1	12.5	10.5	8.5	7.1
Th	6.8	7.7	9.4	11.3	13.0	14.0	14.0	12.8	10.6	7.9	5.5	3.6
4	2.9	3.5	5.3	7.6	10.1	12.4	14.0	14.6	14.1	12.6	10.6	8.6
F	7.1	6.5	7.1	8.5	10.3	11.9	13.1	13.4	12.5	10.7	8.4	6.1
5	4.3	3.5	3.9	5.6	7.8	10.4	12.7	14.5	15.2	14.6	12.9	10.7
Sa	8.4	6.4	5.4	5.7	7.1	9.0	11.0	12.7	13.5	13.0	11.5	9.3
6	6.9	4.8	3.6	3.9	5.5	8.0	10.8	13.6	15.5	16.2	15.4	13.4
Su	10.6	7.6	5.0	3.6	3.8	5.4	7.8	10.5	12.9	14.3	14.1	12.7
7	10.3	7.5	4.9	3.4	3.5	5.4	8.3	11.6	14.8	17.0	17.6	16.4
M	13.7	10.1	6.1	2.9	1.3	1.6	3.7	7.0	10.6	13.7	15.6	15.6
8	14.0	11.1	7.6	4.5	2.7	3.0	5.3	8.9	12.9	16.5	18.8	19.0
Tu	17.2	13.6	9.0	4.2	.4	-1.2	-.3	2.6	6.7	11.3	15.0	17.1
9	17.1	15.0	11.5	7.3	3.7	1.9	2.6	5.5	9.8	14.4	18.3	20.4
W	20.2	17.5	13.0	7.4	1.9	-2.0	-3.3	-1.8	2.1	7.2	12.4	16.6
10	18.6	18.2	15.6	11.4	6.6	2.8	1.2	2.5	6.1	11.1	16.1	20.0
Th	21.7	20.8	17.3	11.8	5.5	-.3	-4.1	-4.8	-2.4	2.3	8.1	13.7
11	17.9	19.7	18.8	15.5	10.7	5.7	1.9	.9	2.8	7.1	12.4	17.5
F	21.2	22.4	20.7	16.4	10.3	3.6	-2.1	-5.4	-5.3	-2.1	3.2	9.3
12	15.0	18.9	20.3	18.8	15.0	9.8	4.8	1.4	1.0	3.5	8.1	13.6
Sa	18.5	21.7	22.3	19.9	15.1	8.7	2.1	-3.2	-5.7	-4.9	-1.1	4.4
13	10.5	15.9	19.4	20.1	18.1	14.1	8.9	4.1	1.4	1.5	4.5	9.2
Su	14.3	18.8	21.4	21.3	18.5	13.5	7.3	1.2	-3.4	-5.1	-3.6	.4
14	5.8	11.6	16.4	19.2	19.4	17.1	13.0	8.2	4.0	1.8	2.4	5.5
M	9.9	14.5	18.4	20.3	19.8	16.8	12.0	6.3	.9	-2.8	-3.7	-1.9
15	2.1	7.1	12.2	16.4	18.6	18.4	16.0	12.2	7.8	4.2	2.6	3.5
Tu	6.3	10.1	14.1	17.2	18.7	17.9	15.1	10.8	5.8	1.4	-1.4	-1.8
16	.1	3.7	8.1	12.5	16.0	17.7	17.3	15.1	11.6	7.9	4.9	3.6
W	4.4	6.7	9.8	13.1	15.6	16.7	16.0	13.6	10.0	6.0	2.4	.3
17	.2	2.0	5.1	8.8	12.6	15.5	16.8	16.3	14.4	11.4	8.2	5.6
Th	4.4	4.8	6.6	9.0	11.7	13.9	14.9	14.4	12.6	9.8	6.6	3.8
18	2.1	2.1	3.5	6.1	9.3	12.5	15.0	16.1	15.7	14.1	11.5	8.6
F	6.1	4.7	4.8	6.0	7.9	10.3	12.4	13.5	13.4	12.2	10.1	7.6
19	5.1	3.6	3.5	4.7	6.8	9.7	12.6	14.8	15.8	15.5	14.0	11.6
Sa	8.7	6.1	4.5	4.2	5.1	6.8	9.1	11.4	12.8	13.1	12.4	10.8
20	8.5	6.2	4.7	4.4	5.4	7.4	10.1	12.9	15.0	15.9	15.5	14.0
Su	11.4	8.4	5.6	3.8	3.3	4.1	6.0	8.6	11.1	12.8	13.5	13.0
21	11.4	9.1	6.7	5.2	4.9	5.9	8.0	10.8	13.6	15.6	16.3	15.7
M	13.8	10.9	7.4	4.4	2.6	2.2	3.3	5.7	8.7	11.6	13.5	14.2
22	13.7	11.9	9.3	6.7	5.1	5.0	6.4	8.8	11.8	14.6	16.4	16.8
Tu	15.7	13.2	9.7	5.9	2.9	1.3	1.4	3.1	6.1	9.6	12.7	14.6
23	15.1	14.1	11.8	8.8	6.2	4.8	5.1	7.0	9.9	13.2	15.9	17.3
W	17.1	15.3	12.1	8.1	4.1	1.2	.1	1.0	3.5	7.1	11.0	14.1
24	15.8	15.8	14.1	11.3	7.9	5.3	4.4	5.4	7.9	11.3	14.7	17.2
Th	18.1	17.1	14.4	10.5	6.0	2.0	-.3	-.5	1.3	4.6	8.7	12.8
25	15.6	16.7	16.0	13.6	10.2	6.7	4.5	4.3	6.1	9.2	12.9	16.3
F	18.3	18.4	16.5	13.0	8.5	3.8	.2	-1.3	-.5	2.2	6.2	10.6
26	14.5	16.8	17.2	15.6	12.5	8.8	5.5	3.9	4.5	7.1	10.7	14.5
Sa	17.6	18.9	18.1	15.3	11.1	6.2	1.8	-1.1	-1.6	.2	3.7	8.1
27	12.5	15.9	17.5	17.0	14.6	11.1	7.3	4.5	3.7	5.3	8.4	12.3
Su	15.9	18.4	18.9	17.2	13.6	9.0	4.1	.2	-1.7	-1.1	1.6	5.6
28	10.1	14.1	16.9	17.6	16.2	13.3	9.6	6.0	4.0	4.1	6.4	9.9
M	13.7	16.9	18.6	18.2	15.7	11.6	6.8	2.4	-.7	-1.6	.0	3.4
29	7.6	11.8	15.3	17.2	17.1	15.0	11.8	8.2	5.2	3.9	4.9	7.7
Tu	11.3	14.7	17.3	18.1	17.0	13.8	9.6	5.0	1.2	-.9	-.7	1.6
30	5.3	9.4	13.2	16.0	17.0	16.2	13.7	10.4	7.1	4.8	4.3	5.9
W	8.8	12.2	15.1	17.0	17.2	15.4	12.0	7.8	3.8	.8	-.4	.6
31	3.4	7.2	11.0	14.2	16.2	16.5	15.1	12.5	9.3	6.4	4.7	4.8
Th	6.6	9.5	12.5	14.9	16.2	15.9	13.8	10.5	6.7	3.3	1.1	.6

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

VALDEZ, ALASKA, 1981

Lat. 61° 08'N Long. 146° 21'W

JANUARY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	5.7	4.8	4.3	4.5	5.4	6.8	8.5	10.1	11.1	11.2	10.4	8.8
Th	6.8	4.7	3.0	2.0	1.9	2.7	4.2	6.0	7.5	8.5	8.7	8.2
2	7.2	5.9	4.9	4.3	4.6	5.7	7.4	9.3	10.9	11.6	11.5	10.3
F	8.4	6.0	3.7	1.8	.9	1.2	2.5	4.4	6.5	8.1	9.1	9.2
3	8.5	7.3	5.8	4.6	4.2	4.7	6.2	8.2	10.2	11.7	12.1	11.6
Sa	10.0	7.7	4.9	2.3	.5	.0	.8	2.7	5.0	7.3	8.9	9.7
4	9.5	8.6	7.0	5.4	4.2	4.0	5.0	6.9	9.2	11.2	12.4	12.5
Su	11.5	9.4	6.6	3.5	.9	-.6	-.6	.9	3.3	5.9	8.2	9.7
5	10.2	9.7	8.4	6.5	4.7	3.7	4.0	5.5	7.8	10.2	12.1	12.9
M	12.6	11.1	8.5	5.3	2.0	-.4	-1.4	-.6	1.5	4.3	7.0	9.2
6	10.4	10.5	9.6	7.8	5.7	4.0	3.4	4.2	6.2	8.8	11.2	12.8
Tu	13.3	12.4	10.4	7.3	3.8	.6	-1.4	-1.7	-.2	2.4	5.4	8.1
7	10.0	10.9	10.6	9.2	7.0	4.9	3.4	3.3	4.6	7.0	9.7	12.0
W	13.2	13.2	11.9	9.3	5.9	2.4	-.5	-1.9	-1.4	.6	3.6	6.7
8	9.2	10.7	11.1	10.3	8.5	6.2	4.1	3.0	3.4	5.2	7.8	10.5
Th	12.4	13.2	12.7	10.9	8.1	4.6	1.3	-1.1	-1.9	-.8	1.7	4.9
9	7.9	10.0	11.1	11.0	9.8	7.8	5.5	3.6	2.9	3.6	5.7	8.4
F	10.9	12.4	12.8	11.9	9.9	6.9	3.6	.6	-1.2	-1.3	.3	3.1
10	6.2	8.9	10.6	11.3	10.8	9.4	7.2	4.9	3.2	2.8	3.9	6.1
Sa	8.6	10.7	11.9	11.9	10.9	8.8	6.0	3.0	.5	-.8	-.4	1.6
11	4.4	7.3	9.6	10.9	11.3	10.6	9.0	6.8	4.5	3.0	2.8	3.9
Su	6.0	8.3	10.1	10.9	10.8	9.8	8.0	5.5	2.9	.8	.0	.8
12	2.9	5.6	8.1	10.0	11.1	11.2	10.4	8.8	6.5	4.3	2.9	2.7
M	3.7	5.6	7.5	8.9	9.7	9.8	9.0	7.5	5.4	3.2	1.5	1.1
13	2.0	4.0	6.4	8.6	10.3	11.2	11.3	10.5	8.7	6.4	4.2	2.7
Tu	2.4	3.2	4.6	6.3	7.6	8.6	9.0	8.6	7.4	5.7	3.8	2.5
14	2.2	3.0	4.7	6.8	8.8	10.4	11.4	11.6	10.7	8.8	6.4	4.1
W	2.4	1.8	2.2	3.4	4.9	6.5	7.8	8.5	8.6	7.7	6.3	4.6
15	3.4	3.0	3.6	5.0	6.9	8.9	10.7	11.8	11.9	11.0	9.0	6.5
Th	3.9	2.0	1.0	1.0	2.1	3.7	5.6	7.4	8.5	8.9	8.3	7.0
16	5.4	4.1	3.5	3.8	5.0	7.0	9.1	11.0	12.2	12.3	11.3	9.2
F	6.4	3.6	1.2	-.1	-.2	1.0	3.0	5.3	7.4	8.9	9.4	8.9
17	7.7	5.9	4.3	3.4	3.6	4.9	7.0	9.4	11.5	12.7	12.7	11.6
Sa	9.3	6.2	2.9	.2	-1.3	-1.2	.3	2.8	5.5	7.9	9.5	10.1
18	9.5	8.1	6.1	4.1	3.0	3.3	4.8	7.3	9.9	12.0	13.1	13.1
Su	11.6	9.0	5.6	2.0	-.8	-2.2	-1.7	.3	3.2	6.2	8.6	10.2
19	10.7	9.9	8.1	5.7	3.6	2.6	3.1	5.0	7.7	10.4	12.5	13.5
M	13.1	11.4	8.4	4.6	.9	-1.7	-2.6	-1.6	.9	4.1	7.1	9.5
20	10.9	11.1	9.9	7.7	5.0	3.0	2.2	3.1	5.4	8.3	10.9	12.8
Tu	13.6	12.9	10.8	7.4	3.5	.0	-2.2	-2.5	-.9	2.0	5.3	8.2
21	10.4	11.4	11.1	9.5	6.9	4.3	2.4	2.1	3.5	6.0	8.9	11.4
W	13.0	13.3	12.2	9.7	6.2	2.4	-.7	-2.3	-1.8	.3	3.4	6.6
22	9.3	11.1	11.6	10.8	8.7	6.1	3.6	2.2	2.3	4.1	6.7	9.4
Th	11.6	12.8	12.6	11.1	8.4	4.9	1.5	-1.0	-1.7	-.7	1.8	4.9
23	7.9	10.2	11.4	11.4	10.1	7.9	5.3	3.1	2.2	2.8	4.8	7.4
F	9.8	11.5	12.2	11.6	9.8	7.1	3.9	1.0	-.7	-.7	.8	3.5
24	6.5	9.0	10.7	11.4	10.8	9.3	7.0	4.7	2.9	2.5	3.5	5.5
Sa	7.8	9.8	11.0	11.2	10.3	8.5	5.9	3.2	1.1	.1	.7	2.5
25	5.2	7.7	9.7	10.9	11.0	10.2	8.5	6.3	4.3	3.0	2.9	4.1
Su	6.0	7.9	9.4	10.2	10.0	9.1	7.4	5.2	3.0	1.5	1.2	2.2
26	4.2	6.5	8.6	10.1	10.7	10.6	9.6	7.9	5.9	4.1	3.2	3.4
M	4.5	6.1	7.6	8.7	9.1	8.9	8.1	6.7	4.9	3.3	2.4	2.5
27	3.7	5.6	7.5	9.1	10.1	10.5	10.1	9.1	7.4	5.6	4.1	3.4
Tu	3.7	4.6	5.8	7.0	7.8	8.2	8.1	7.5	6.3	5.0	3.8	3.4
28	3.8	4.9	6.5	8.0	9.2	10.0	10.3	9.9	8.8	7.1	5.4	4.1
W	3.5	3.6	4.3	5.2	6.1	7.0	7.5	7.7	7.3	6.4	5.4	4.6
29	4.3	4.7	5.7	6.9	8.2	9.3	10.1	10.3	9.8	8.6	7.0	5.3
Th	4.0	3.3	3.2	3.6	4.4	5.4	6.5	7.3	7.7	7.4	6.8	5.9
30	5.2	5.0	5.2	5.9	7.0	8.2	9.4	10.3	10.5	9.9	8.6	6.9
F	5.1	3.6	2.6	2.3	2.7	3.7	5.0	6.4	7.5	8.0	7.9	7.2
31	6.4	5.6	5.1	5.2	5.9	7.0	8.5	9.8	10.7	10.8	10.1	8.6
Sa	6.7	4.6	2.8	1.6	1.3	2.0	3.4	5.1	6.8	8.1	8.6	8.4

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 08'N Long. 146° 21'W

FEBRUARY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	7.7	6.6	5.5	4.8	4.8	5.7	7.1	8.9	10.4	11.3	11.3	10.3
Su	8.5	6.2	3.7	1.6	.4	.4	1.5	3.5	5.7	7.6	8.9	9.3
2	8.9	7.8	6.4	5.0	4.2	4.4	5.6	7.6	9.6	11.3	12.0	11.8
M	10.4	8.1	5.3	2.4	.2	-.7	-.2	1.6	4.1	6.6	8.6	9.8
3	10.0	9.2	7.6	5.7	4.0	3.4	4.0	5.8	8.2	10.5	12.1	12.7
Tu	12.0	10.2	7.3	4.0	.9	-1.1	-1.5	-.2	2.2	5.2	7.8	9.8
4	10.7	10.4	9.1	6.9	4.6	3.0	2.8	4.0	6.3	9.1	11.5	12.9
W	13.1	12.0	9.6	6.2	2.5	-.5	-2.0	-1.7	.3	3.3	6.5	9.2
5	10.9	11.3	10.5	8.5	5.9	3.5	2.1	2.4	4.2	7.0	9.9	12.3
Th	13.4	13.2	11.5	8.6	4.8	1.1	-1.5	-2.4	-1.3	1.4	4.8	8.0
6	10.5	11.7	11.6	10.1	7.6	4.7	2.4	1.5	2.3	4.6	7.7	10.6
F	12.7	13.5	12.8	10.6	7.3	3.5	.1	-2.0	-2.1	-.3	2.9	6.4
7	9.5	11.5	12.2	11.4	9.4	6.6	3.7	1.6	1.1	2.4	5.1	8.2
Sa	11.0	12.7	13.0	11.9	9.5	6.1	2.6	-.4	-1.7	-1.1	1.2	4.6
8	8.0	10.7	12.1	12.2	11.0	8.7	5.7	2.9	1.2	1.1	2.7	5.5
Su	8.4	10.8	12.1	12.0	10.7	8.3	5.2	2.1	-.2	-.9	.3	2.9
9	6.2	9.2	11.4	12.3	11.9	10.4	8.0	5.0	2.4	1.0	1.2	2.9
M	5.6	8.2	10.1	11.0	10.8	9.6	7.5	4.8	2.2	.5	.4	1.8
10	4.5	7.5	10.0	11.6	12.1	11.5	9.9	7.5	4.7	2.3	1.1	1.4
Tu	3.0	5.3	7.4	9.0	9.7	9.6	8.7	7.0	4.8	2.8	1.6	1.8
11	3.3	5.7	8.2	10.2	11.4	11.8	11.2	9.6	7.3	4.7	2.5	1.3
W	1.5	2.8	4.5	6.3	7.7	8.5	8.7	8.2	7.0	5.2	3.7	2.8
12	3.1	4.4	6.3	8.3	10.0	11.1	11.5	11.0	9.6	7.4	4.9	2.8
Th	1.5	1.4	2.2	3.5	5.0	6.5	7.6	8.3	8.2	7.3	6.0	4.7
13	3.9	4.0	4.9	6.3	8.0	9.6	10.8	11.4	11.1	9.8	7.7	5.3
F	3.0	1.5	.9	1.3	2.4	4.0	5.7	7.3	8.3	8.5	7.9	6.8
14	5.5	4.5	4.2	4.7	5.9	7.5	9.3	10.7	11.5	11.4	10.2	8.1
Sa	5.5	3.0	1.1	.2	.3	1.5	3.4	5.5	7.4	8.7	9.2	8.7
15	7.5	6.0	4.6	3.9	4.2	5.3	7.2	9.2	10.9	11.8	11.7	10.5
Su	8.3	5.5	2.6	.4	-.7	-.4	1.1	3.4	5.9	8.1	9.5	9.9
16	9.3	7.8	5.9	4.1	3.2	3.5	4.9	7.1	9.5	11.3	12.3	12.1
M	10.7	8.2	5.0	1.8	-.6	-1.4	-.7	1.3	4.1	6.8	9.0	10.4
17	10.5	9.6	7.6	5.2	3.2	2.4	3.0	4.9	7.5	10.0	11.8	12.6
Tu	12.2	10.5	7.6	4.0	.8	-1.4	-1.7	-.4	2.2	5.2	8.0	10.1
18	11.1	10.9	9.3	6.9	4.2	2.3	1.8	2.9	5.3	8.1	10.6	12.3
W	12.8	12.0	9.8	6.5	2.8	-.2	-1.8	-1.4	.6	3.6	6.7	9.4
19	11.1	11.6	10.7	8.6	5.7	3.1	1.5	1.6	3.3	6.0	8.9	11.2
Th	12.6	12.7	11.3	8.7	5.1	1.6	-.9	-1.6	-.5	2.0	5.2	8.3
20	10.6	11.8	11.6	10.0	7.5	4.5	2.1	1.2	1.9	4.0	6.9	9.6
F	11.6	12.5	12.0	10.2	7.2	3.8	.8	-.9	-.8	1.0	3.9	7.0
21	9.7	11.4	11.9	11.0	9.0	6.2	3.4	1.6	1.2	2.5	5.0	7.8
Sa	10.2	11.7	12.0	11.0	8.8	5.8	2.8	.5	-.4	.5	2.8	5.8
22	8.7	10.8	11.8	11.5	10.1	7.8	5.0	2.7	1.4	1.7	3.4	5.9
Su	8.5	10.4	11.3	11.0	9.7	7.4	4.7	2.3	.8	.7	2.2	4.7
23	7.5	9.9	11.3	11.6	10.8	9.0	6.6	4.2	2.3	1.6	2.4	4.3
M	6.6	8.7	10.1	10.4	9.8	8.4	6.3	4.1	2.3	1.6	2.2	4.0
24	6.5	8.8	10.5	11.2	11.0	9.9	8.0	5.8	3.7	2.3	2.1	3.2
Tu	5.0	7.0	8.5	9.3	9.4	8.7	7.4	5.7	4.0	2.9	2.8	3.8
25	5.6	7.7	9.5	10.5	10.8	10.3	9.0	7.3	5.2	3.5	2.6	2.7
W	3.8	5.3	6.8	7.9	8.4	8.4	7.8	6.8	5.5	4.3	3.7	4.0
26	5.2	6.8	8.4	9.6	10.2	10.3	9.7	8.5	6.8	5.1	3.6	2.9
Th	3.1	4.0	5.2	6.2	7.1	7.6	7.7	7.4	6.7	5.7	4.9	4.6
27	5.0	6.1	7.3	8.5	9.4	9.9	9.9	9.4	8.3	6.7	5.1	3.8
F	3.1	3.2	3.7	4.6	5.5	6.3	7.1	7.5	7.4	7.0	6.2	5.6
28	5.3	5.6	6.3	7.3	8.2	9.1	9.7	9.9	9.4	8.4	6.9	5.2
Sa	3.8	3.0	2.7	3.0	3.7	4.8	6.0	7.0	7.7	7.9	7.5	6.8

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

VALDEZ, ALASKA, 1981

Lat. 61° 08'N Long. 146° 21'W

MARCH

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	6.1	5.6	5.6	6.0	6.8	7.9	9.0	9.8	10.2	9.8	8.7	7.0
Su	5.2	3.5	2.3	1.8	2.0	3.0	4.5	6.1	7.5	8.4	8.5	8.1
2	7.1	6.1	5.3	5.0	5.3	6.3	7.8	9.3	10.4	10.8	10.4	9.0
M	7.1	4.8	2.7	1.2	.6	1.2	2.7	4.7	6.8	8.4	9.3	9.3
3	8.5	7.1	5.6	4.4	4.0	4.6	6.0	8.0	9.9	11.2	11.6	10.9
Tu	9.2	6.8	4.0	1.5	-.1	-.4	.8	3.0	5.5	7.9	9.6	10.3
4	9.9	8.6	6.6	4.6	3.1	2.9	4.0	6.1	8.6	10.8	12.1	12.4
W	11.3	9.1	6.1	2.8	.1	-1.3	-.9	1.0	3.8	6.9	9.4	10.9
5	11.2	10.2	8.2	5.6	3.2	1.8	2.0	3.7	6.4	9.3	11.7	13.0
Th	12.9	11.3	8.5	5.0	1.4	-1.1	-1.9	-.8	1.9	5.3	8.5	10.9
6	12.0	11.7	10.1	7.3	4.2	1.7	.6	1.4	3.8	7.0	10.2	12.5
F	13.5	12.9	10.9	7.6	3.7	.2	-1.9	-1.9	.0	3.3	7.0	10.2
7	12.2	12.8	11.8	9.4	6.1	2.7	.4	-.2	1.2	4.2	7.7	10.8
Sa	12.9	13.5	12.5	10.0	6.4	2.6	-.5	-1.9	-1.1	1.5	5.1	8.8
8	11.6	13.1	13.0	11.3	8.4	4.8	1.5	-.5	-.5	1.4	4.7	8.2
Su	11.1	12.8	13.0	11.6	8.9	5.4	1.9	-.6	-1.2	.2	3.2	6.9
9	10.3	12.6	13.4	12.7	10.5	7.3	3.7	.7	-.8	-.4	1.9	5.1
M	8.4	10.9	12.1	12.0	10.5	7.9	4.7	1.8	.0	.0	1.9	5.0
10	8.4	11.3	12.9	13.2	12.0	9.6	6.4	3.1	.4	-.7	.1	2.3
Tu	5.3	8.2	10.2	11.0	10.8	9.4	7.1	4.5	2.2	1.0	1.5	3.6
11	6.5	9.4	11.5	12.6	12.5	11.2	8.9	5.9	2.9	.6	-.2	.6
W	2.7	5.2	7.5	9.1	9.8	9.6	8.6	6.8	4.8	3.0	2.3	3.0
12	4.9	7.3	9.6	11.2	11.9	11.7	10.6	8.5	5.9	3.2	1.2	.5
Th	1.1	2.8	4.7	6.5	7.8	8.7	8.8	8.2	7.0	5.4	4.0	3.6
13	4.2	5.6	7.5	9.2	10.4	11.1	11.1	10.2	8.5	6.1	3.7	1.9
F	1.1	1.4	2.4	3.9	5.4	6.8	7.9	8.5	8.3	7.5	6.2	5.0
14	4.5	4.7	5.7	7.0	8.4	9.6	10.5	10.7	10.2	8.8	6.6	4.4
Sa	2.5	1.4	1.2	1.8	3.0	4.6	6.3	7.8	8.7	8.8	8.1	6.9
15	5.7	4.8	4.6	5.1	6.1	7.5	9.0	10.2	10.7	10.4	9.2	7.1
Su	4.8	2.7	1.2	.7	1.1	2.4	4.3	6.4	8.1	9.2	9.4	8.7
16	7.4	5.9	4.6	3.9	4.2	5.3	6.9	8.8	10.3	11.0	10.8	9.5
M	7.4	4.9	2.4	.7	.0	.7	2.4	4.7	7.0	9.0	10.0	10.1
17	9.1	7.4	5.4	3.7	2.9	3.3	4.8	6.9	9.0	10.7	11.5	11.1
Tu	9.7	7.3	4.4	1.7	-.1	-.4	.7	2.9	5.6	8.1	10.0	10.8
18	10.5	9.1	6.8	4.4	2.6	2.0	2.8	4.8	7.2	9.6	11.2	11.9
W	11.3	9.4	6.6	3.4	.7	-.6	-.4	1.4	4.1	7.0	9.5	11.0
19	11.4	10.5	8.5	5.7	3.1	1.4	1.3	2.8	5.3	8.0	10.3	11.8
Th	12.0	11.0	8.7	5.5	2.3	.0	-.7	.3	2.7	5.8	8.6	10.8
20	11.8	11.6	9.9	7.3	4.2	1.8	.7	1.3	3.3	6.1	8.9	11.0
F	12.1	11.8	10.2	7.5	4.2	1.3	-.3	-.2	1.6	4.5	7.6	10.2
21	11.8	12.1	11.1	8.8	5.8	2.8	.8	.4	1.7	4.3	7.2	9.8
Sa	11.5	12.0	11.2	9.1	6.1	3.1	.8	.0	1.0	3.4	6.4	9.3
22	11.4	12.3	11.8	10.1	7.3	4.2	1.6	.3	.7	2.6	5.4	8.2
Su	10.5	11.6	11.5	10.1	7.8	4.9	2.3	.8	.9	2.6	5.3	8.3
23	10.7	12.1	12.2	11.0	8.7	5.8	3.0	.9	.4	1.4	3.7	6.5
M	9.0	10.7	11.2	10.6	8.9	6.5	4.1	2.2	1.5	2.4	4.5	7.2
24	9.8	11.5	12.1	11.5	9.8	7.3	4.6	2.2	.8	.9	2.4	4.8
Tu	7.3	9.3	10.4	10.4	9.4	7.7	5.7	3.7	2.5	2.6	4.0	6.2
25	8.7	10.6	11.6	11.5	10.4	8.5	6.1	3.7	1.8	1.1	1.7	3.4
W	5.7	7.8	9.1	9.7	9.4	8.4	6.9	5.2	3.9	3.3	3.9	5.5
26	7.6	9.6	10.9	11.2	10.7	9.4	7.5	5.4	3.3	1.9	1.7	2.5
Th	4.2	6.1	7.6	8.5	8.8	8.5	7.7	6.5	5.2	4.3	4.3	5.1
27	6.7	8.5	9.8	10.5	10.5	9.9	8.6	6.9	5.0	3.3	2.3	2.3
F	3.1	4.6	6.0	7.1	7.8	8.1	7.9	7.4	6.5	5.5	5.0	5.1
28	6.0	7.3	8.6	9.5	10.0	9.9	9.3	8.3	6.7	5.0	3.5	2.6
Sa	2.6	3.3	4.4	5.5	6.4	7.2	7.7	7.8	7.5	6.8	6.0	5.5
29	5.6	6.3	7.2	8.2	8.9	9.4	9.6	9.2	8.3	6.9	5.2	3.7
Su	2.8	2.5	2.9	3.7	4.8	5.9	7.0	7.8	8.2	8.0	7.3	6.4
30	5.8	5.6	5.9	6.6	7.5	8.4	9.2	9.7	9.6	8.7	7.2	5.5
M	3.8	2.5	2.0	2.2	3.0	4.3	5.9	7.4	8.5	8.9	8.6	7.7
31	6.5	5.5	4.9	5.0	5.6	6.8	8.2	9.4	10.2	10.2	9.3	7.6
Tu	5.5	3.4	1.8	1.0	1.3	2.5	4.3	6.5	8.3	9.5	9.8	9.2

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 08'N Long. 146° 21'W

APRIL

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	7.9	6.2	4.6	3.7	3.6	4.6	6.3	8.3	10.0	11.0	11.0	9.8
W	7.8	5.2	2.7	.8	.0	.6	2.5	5.0	7.6	9.7	10.8	10.7
2	9.6	7.6	5.2	3.2	2.1	2.3	3.9	6.3	8.8	10.9	11.9	11.7
Th	10.2	7.7	4.6	1.7	-.3	-.7	.6	3.1	6.2	9.1	11.1	11.9
3	11.4	9.5	6.8	3.8	1.4	.5	1.3	3.5	6.6	9.5	11.7	12.6
F	12.1	10.2	7.2	3.7	.7	-1.1	-.9	1.2	4.4	7.9	10.8	12.5
4	12.8	11.6	9.0	5.5	2.1	-.3	-.8	.7	3.6	7.1	10.2	12.4
Sa	13.1	12.2	9.8	6.4	2.8	-.1	-1.3	-.3	2.4	6.1	9.6	12.3
5	13.6	13.2	11.3	8.0	4.0	.5	-1.6	-1.5	.5	3.9	7.7	10.8
Su	12.7	13.0	11.8	9.1	5.6	2.0	-.3	-.8	.8	4.0	7.8	11.2
6	13.4	14.1	13.1	10.5	6.7	2.7	-.7	-2.3	-1.7	.9	4.5	8.1
M	11.0	12.5	12.5	11.0	8.2	4.8	1.8	.0	.2	2.3	5.7	9.3
7	12.3	13.9	14.0	12.4	9.4	5.6	1.7	-1.2	-2.3	-1.3	1.4	5.0
Tu	8.3	10.8	11.9	11.7	10.1	7.5	4.5	2.0	.8	1.5	3.9	7.2
8	10.4	12.7	13.7	13.3	11.4	8.4	4.8	1.2	-1.2	-1.8	-.6	2.1
W	5.3	8.2	10.1	11.0	10.7	9.2	7.0	4.5	2.6	1.9	2.9	5.2
9	8.1	10.7	12.4	12.9	12.3	10.5	7.7	4.4	1.4	-.6	-1.0	.3
Th	2.7	5.3	7.6	9.2	9.9	9.8	8.7	6.9	4.9	3.5	3.1	4.1
10	6.1	8.4	10.3	11.5	11.8	11.2	9.7	7.4	4.5	1.9	.3	.0
F	1.1	2.9	5.0	6.9	8.3	9.1	9.2	8.5	7.2	5.6	4.4	4.1
11	4.9	6.3	8.0	9.4	10.4	10.8	10.5	9.3	7.4	5.0	2.7	1.2
Sa	.8	1.5	2.8	4.5	6.1	7.6	8.7	9.1	8.8	7.7	6.3	5.1
12	4.7	5.0	5.9	7.1	8.3	9.3	10.0	10.1	9.3	7.7	5.6	3.5
Su	1.9	1.3	1.6	2.5	4.0	5.7	7.4	8.8	9.4	9.2	8.2	6.8
13	5.5	4.7	4.5	5.0	6.0	7.3	8.6	9.7	10.0	9.5	8.1	6.0
M	3.9	2.3	1.3	1.3	2.2	3.8	5.8	7.8	9.3	10.0	9.7	8.6
14	6.9	5.3	4.1	3.6	4.0	5.1	6.7	8.4	9.7	10.3	9.8	8.4
Tu	6.3	4.0	2.1	1.0	1.0	2.2	4.1	6.4	8.6	10.1	10.6	10.1
15	8.6	6.6	4.5	3.0	2.5	3.1	4.7	6.7	8.7	10.1	10.6	10.0
W	8.4	6.1	3.6	1.6	.7	1.0	2.7	5.1	7.6	9.7	11.0	11.1
16	10.1	8.1	5.6	3.3	1.8	1.6	2.7	4.8	7.2	9.3	10.6	10.9
Th	10.0	8.1	5.5	2.9	1.0	.5	1.5	3.7	6.5	9.0	10.9	11.7
17	11.2	9.6	7.1	4.2	1.9	.7	1.1	2.9	5.4	8.0	10.0	11.0
F	10.9	9.6	7.4	4.6	2.1	.7	.9	2.6	5.3	8.1	10.5	11.8
18	12.0	10.9	8.6	5.6	2.6	.6	.1	1.2	3.6	6.4	8.9	10.7
Sa	11.3	10.7	8.9	6.3	3.6	1.5	.9	1.9	4.2	7.1	9.8	11.6
19	12.4	11.8	10.0	7.1	3.9	1.2	-.2	.0	1.9	4.6	7.5	9.8
Su	11.1	11.2	10.1	7.9	5.3	2.8	1.4	1.6	3.3	6.0	8.8	11.1
20	12.4	12.4	11.0	8.6	5.5	2.4	.2	-.5	.6	2.9	5.8	8.5
M	10.4	11.1	10.7	9.2	6.9	4.4	2.5	1.9	2.8	5.0	7.7	10.3
21	12.0	12.5	11.8	9.8	7.0	3.9	1.2	-.3	-.1	1.5	4.1	6.9
Tu	9.2	10.5	10.8	9.9	8.1	5.9	3.8	2.6	2.8	4.3	6.7	9.2
22	11.3	12.3	12.1	10.7	8.4	5.5	2.7	.6	-.1	.6	2.7	5.3
W	7.8	9.5	10.3	10.1	8.9	7.2	5.3	3.8	3.2	3.9	5.7	8.1
23	10.3	11.7	12.0	11.2	9.5	7.1	4.4	2.0	.5	.4	1.6	3.8
Th	6.2	8.2	9.4	9.7	9.2	8.1	6.6	5.0	4.0	4.0	5.1	7.0
24	9.1	10.7	11.5	11.2	10.1	8.3	6.1	3.7	1.8	.8	1.1	2.5
F	4.6	6.6	8.1	8.9	9.0	8.5	7.6	6.3	5.1	4.5	4.8	6.1
25	7.9	9.5	10.6	10.9	10.4	9.2	7.5	5.5	3.4	1.8	1.2	1.7
Sa	3.2	5.0	6.6	7.7	8.4	8.5	8.2	7.4	6.4	5.4	5.0	5.5
26	6.6	8.1	9.4	10.1	10.1	9.6	8.6	7.1	5.3	3.4	2.1	1.6
Su	2.2	3.4	4.9	6.3	7.4	8.1	8.4	8.2	7.6	6.6	5.7	5.3
27	5.7	6.6	7.7	8.7	9.3	9.5	9.3	8.5	7.2	5.4	3.6	2.3
M	1.8	2.2	3.3	4.6	6.0	7.2	8.2	8.8	8.7	7.9	6.8	5.8
28	5.2	5.3	5.9	6.9	7.8	8.7	9.3	9.4	8.8	7.5	5.7	3.8
Tu	2.4	1.7	1.9	2.8	4.3	5.9	7.6	8.9	9.5	9.3	8.3	6.9
29	5.5	4.6	4.3	4.7	5.7	7.1	8.4	9.4	9.8	9.3	7.9	5.9
W	3.9	2.2	1.3	1.4	2.4	4.2	6.4	8.5	9.9	10.5	10.0	8.6
30	6.7	4.8	3.3	2.8	3.3	4.6	6.5	8.5	9.9	10.5	9.9	8.4
Th	6.1	3.7	1.7	.7	.9	2.4	4.7	7.4	9.8	11.2	11.5	10.6

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

VALDEZ, ALASKA, 1981

Lat. 61° 08'N Long. 146° 21'W

MAY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	8.6	6.0	3.5	1.7	1.0	1.9	3.8	6.4	8.9	10.6	11.2	10.5
F	8.7	6.1	3.4	1.1	.1	.7	2.8	5.8	8.8	11.3	12.5	12.3
2	10.8	8.1	4.9	1.8	-.2	-.6	.8	3.5	6.6	9.4	11.2	11.8
Sa	10.9	8.8	5.9	2.8	.6	-.1	1.1	3.8	7.2	10.4	12.7	13.5
3	12.8	10.6	7.3	3.5	.1	-1.8	-1.7	.3	3.5	7.0	10.0	11.8
Su	12.1	11.0	8.6	5.4	2.3	.3	.1	1.9	5.1	8.7	11.8	13.8
4	14.1	12.9	10.0	6.1	2.0	-1.4	-2.9	-2.3	.3	3.9	7.5	10.4
M	12.0	12.2	10.8	8.1	4.9	1.9	.4	.8	3.1	6.5	10.1	12.9
5	14.4	14.2	12.4	9.1	4.9	.7	-2.3	-3.4	-2.2	.7	4.4	8.0
Tu	10.6	12.0	11.8	10.3	7.6	4.5	1.9	.9	1.8	4.3	7.8	11.0
6	13.4	14.4	13.7	11.5	8.0	3.9	.0	-2.6	-3.1	-1.6	1.4	5.0
W	8.2	10.5	11.5	11.2	9.6	7.1	4.3	2.3	1.7	2.9	5.5	8.6
7	11.5	13.3	13.8	12.8	10.5	7.1	3.2	-.2	-2.2	-2.4	-.7	2.2
Th	5.4	8.2	10.1	10.9	10.5	9.0	6.8	4.5	2.9	2.6	3.9	6.3
8	9.0	11.3	12.6	12.7	11.7	9.5	6.5	3.1	.2	-1.5	-1.4	.3
F	2.9	5.6	7.9	9.5	10.2	9.9	8.7	6.8	4.9	3.6	3.5	4.7
9	6.7	8.8	10.5	11.5	11.5	10.6	8.8	6.2	3.3	.8	-.5	-.3
Sa	1.2	3.3	5.6	7.5	8.9	9.7	9.6	8.7	7.1	5.4	4.2	4.1
10	5.0	6.5	8.1	9.4	10.2	10.4	9.8	8.4	6.2	3.7	1.6	.5
Su	.7	1.8	3.5	5.4	7.2	8.6	9.5	9.7	8.9	7.4	5.8	4.7
11	4.4	4.9	5.9	7.1	8.2	9.2	9.6	9.4	8.2	6.4	4.2	2.4
M	1.3	1.3	2.2	3.6	5.3	7.1	8.7	9.8	9.9	9.1	7.6	6.0
12	4.7	4.1	4.2	4.9	6.0	7.3	8.5	9.2	9.2	8.3	6.6	4.6
Tu	2.9	1.8	1.7	2.3	3.7	5.5	7.5	9.2	10.2	10.3	9.3	7.7
13	5.8	4.3	3.4	3.3	4.0	5.2	6.8	8.3	9.2	9.3	8.4	6.8
W	4.9	3.1	2.0	1.8	2.5	4.1	6.2	8.3	10.0	10.8	10.5	9.3
14	7.4	5.2	3.4	2.3	2.3	3.2	4.9	6.8	8.4	9.4	9.4	8.5
Th	6.8	4.8	3.0	1.9	1.9	2.9	4.9	7.3	9.4	10.9	11.3	10.6
15	8.9	6.6	4.1	2.2	1.2	1.5	3.0	5.1	7.2	8.9	9.7	9.6
F	8.5	6.6	4.5	2.7	1.8	2.2	3.8	6.1	8.6	10.6	11.6	11.5
16	10.3	8.1	5.4	2.7	.9	.4	1.3	3.2	5.7	7.9	9.5	10.1
Sa	9.6	8.2	6.1	4.0	2.4	1.9	2.9	5.0	7.6	10.0	11.6	12.1
17	11.4	9.5	6.9	3.9	1.3	-.2	.0	1.5	4.0	6.6	8.7	10.0
Su	10.3	9.4	7.7	5.5	3.4	2.2	2.4	4.0	6.5	9.1	11.2	12.2
18	12.1	10.8	8.4	5.3	2.3	.0	-.7	.1	2.3	5.0	7.6	9.5
M	10.4	10.2	9.0	7.0	4.7	3.0	2.4	3.3	5.4	8.0	10.4	12.0
19	12.5	11.7	9.8	6.9	3.7	.9	-.7	-.8	.8	3.3	6.1	8.5
Tu	10.0	10.4	9.8	8.3	6.2	4.1	2.9	3.0	4.5	6.9	9.4	11.4
20	12.4	12.3	10.9	8.5	5.4	2.3	.0	-1.0	-.3	1.8	4.5	7.1
W	9.1	10.2	10.2	9.2	7.5	5.4	3.8	3.2	3.9	5.8	8.2	10.5
21	12.0	12.4	11.6	9.7	7.0	4.0	1.2	-.5	-.7	.6	2.9	5.6
Th	7.9	9.5	10.1	9.7	8.5	6.7	5.0	3.8	3.7	4.9	7.0	9.3
22	11.1	12.0	11.9	10.6	8.5	5.7	2.9	.6	-.5	-.2	1.5	3.9
F	6.4	8.4	9.5	9.7	9.1	7.8	6.2	4.8	4.1	4.4	5.9	7.9
23	9.9	11.3	11.7	11.0	9.5	7.3	4.7	2.2	.4	-.2	.6	2.5
Sa	4.8	7.0	8.5	9.3	9.3	8.6	7.4	6.0	4.8	4.4	5.0	6.6
24	8.5	10.1	11.0	11.0	10.1	8.6	6.5	4.1	1.9	.5	.2	1.3
Su	3.2	5.4	7.2	8.4	9.0	9.0	8.4	7.3	5.9	4.9	4.6	5.4
25	6.8	8.5	9.7	10.3	10.2	9.4	8.0	6.0	3.8	1.9	.7	.7
M	1.9	3.7	5.7	7.3	8.4	9.0	9.1	8.5	7.3	5.9	4.9	4.7
26	5.3	6.6	7.9	9.0	9.5	9.5	8.9	7.7	5.9	3.8	2.0	1.0
Tu	1.1	2.3	4.0	5.8	7.4	8.7	9.4	9.5	8.7	7.4	5.9	4.7
27	4.3	4.7	5.7	7.0	8.1	8.9	9.2	8.9	7.8	6.1	4.0	2.3
W	1.3	1.4	2.4	4.1	6.0	7.8	9.3	10.1	10.1	9.1	7.5	5.6
28	4.1	3.4	3.6	4.5	5.8	7.2	8.4	9.2	9.1	8.1	6.4	4.3
Th	2.5	1.5	1.5	2.4	4.2	6.4	8.5	10.2	11.1	10.8	9.5	7.4
29	5.1	3.2	2.1	2.0	3.0	4.7	6.6	8.4	9.4	9.5	8.6	6.8
F	4.7	2.7	1.5	1.4	2.5	4.6	7.1	9.6	11.4	12.0	11.4	9.6
30	7.0	4.2	1.8	.4	.4	1.6	3.9	6.4	8.6	9.9	10.1	9.1
Sa	7.2	4.9	2.7	1.3	1.3	2.7	5.2	8.2	10.8	12.5	12.9	11.9
31	9.6	6.4	3.1	.2	-1.3	-1.1	.7	3.5	6.5	9.0	10.4	10.6
Su	9.5	7.5	4.9	2.5	1.2	1.4	3.2	6.2	9.4	12.0	13.5	13.5

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 08'N Long. 146° 21'W

JUNE

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	12.0	9.2	5.5	1.7	-1.3	-2.7	-2.0	.3	3.6	6.9	9.4	10.9
M	11.0	9.8	7.5	4.7	2.3	1.1	1.7	4.0	7.2	10.5	13.0	14.1
2	13.8	11.9	8.6	4.5	.4	-2.5	-3.5	-2.4	.4	4.0	7.3	9.9
Tu	11.2	11.2	9.8	7.3	4.4	2.1	1.2	2.2	4.8	8.2	11.3	13.5
3	14.4	13.6	11.3	7.7	3.4	-.6	-3.2	-3.7	-2.1	.9	4.5	7.8
W	10.2	11.3	11.1	9.5	6.9	4.1	2.1	1.6	3.0	5.7	9.0	11.8
4	13.7	14.1	13.0	10.4	6.7	2.5	-1.1	-3.2	-3.3	-1.4	1.7	5.2
Th	8.2	10.3	11.2	10.8	9.1	6.5	4.0	2.3	2.2	3.7	6.4	9.4
5	11.9	13.3	13.4	12.1	9.4	5.8	2.0	-1.2	-2.8	-2.5	-.4	2.6
F	5.8	8.5	10.3	10.9	10.3	8.6	6.3	4.0	2.7	2.8	4.4	6.9
6	9.4	11.4	12.5	12.3	11.0	8.5	5.2	1.8	-.8	-2.0	-1.4	.7
Sa	3.5	6.3	8.6	10.0	10.5	9.9	8.4	6.2	4.3	3.2	3.4	4.8
7	7.0	9.1	10.6	11.4	11.1	9.9	7.7	4.8	1.9	-.2	-.9	-.2
Su	1.8	4.2	6.6	8.6	9.8	10.2	9.7	8.3	6.3	4.5	3.6	3.8
8	5.0	6.7	8.3	9.6	10.2	10.0	9.0	7.2	4.7	2.3	.6	.2
M	1.0	2.7	4.8	6.8	8.6	9.7	10.1	9.6	8.2	6.4	4.7	3.8
9	3.9	4.8	6.1	7.4	8.5	9.1	9.2	8.4	6.9	4.8	2.8	1.4
Tu	1.2	1.9	3.4	5.2	7.1	8.7	9.9	10.2	9.6	8.2	6.4	4.7
10	3.8	3.7	4.2	5.2	6.4	7.6	8.4	8.7	8.1	6.8	5.0	3.3
W	2.2	2.0	2.6	3.9	5.7	7.5	9.1	10.2	10.4	9.7	8.1	6.2
11	4.5	3.4	3.0	3.4	4.4	5.7	7.1	8.1	8.5	8.0	6.8	5.2
Th	3.7	2.8	2.5	3.1	4.4	6.2	8.2	9.8	10.7	10.6	9.6	7.8
12	5.7	3.9	2.6	2.2	2.6	3.8	5.4	7.0	8.1	8.6	8.1	7.0
F	5.5	4.0	3.0	2.8	3.6	5.1	7.1	9.0	10.5	11.1	10.7	9.3
13	7.2	4.9	2.9	1.6	1.3	2.0	3.6	5.5	7.3	8.4	8.8	8.3
Sa	7.1	5.5	4.1	3.1	3.1	4.1	5.9	8.1	10.0	11.2	11.4	10.6
14	8.8	6.4	3.8	1.7	.5	.6	1.8	3.8	6.0	7.8	8.9	9.1
Su	8.4	7.0	5.4	3.8	3.1	3.4	4.8	7.0	9.2	10.9	11.8	11.5
15	10.2	8.0	5.2	2.5	.5	-.3	.3	2.1	4.5	6.8	8.5	9.4
M	9.3	8.3	6.8	4.9	3.5	3.1	3.9	5.8	8.1	10.3	11.7	12.1
16	11.3	9.5	6.9	3.8	1.1	-.5	-.7	.5	2.8	5.4	7.6	9.1
Tu	9.7	9.3	8.1	6.2	4.4	3.3	3.3	4.7	6.9	9.3	11.2	12.2
17	12.1	10.8	8.5	5.5	2.4	-.1	-1.2	-.7	1.2	3.8	6.4	8.4
W	9.7	9.9	9.1	7.5	5.6	3.9	3.2	3.9	5.6	8.0	10.3	11.9
18	12.4	11.8	10.0	7.3	4.0	1.1	-.9	-1.3	-.2	2.1	4.9	7.3
Th	9.1	10.0	9.8	8.7	6.9	4.9	3.6	3.4	4.6	6.7	9.1	11.1
19	12.3	12.3	11.1	8.9	5.9	2.7	.1	-1.3	-1.1	.6	3.2	5.9
F	8.2	9.6	10.0	9.5	8.1	6.2	4.4	3.5	3.8	5.4	7.6	9.9
20	11.6	12.2	11.8	10.2	7.6	4.6	1.6	-.6	-1.3	-.5	1.6	4.3
Sa	6.9	8.8	9.8	9.9	9.0	7.5	5.6	4.1	3.6	4.3	6.1	8.4
21	10.4	11.7	11.8	10.9	9.1	6.5	3.5	.9	-.8	-1.0	.4	2.7
Su	5.4	7.7	9.2	9.9	9.6	8.6	7.0	5.2	4.0	3.7	4.7	6.6
22	8.8	10.5	11.3	11.1	10.0	8.1	5.5	2.8	.5	-.6	-.3	1.3
M	3.8	6.3	8.3	9.5	9.9	9.5	8.3	6.6	4.9	3.8	3.8	4.9
23	6.8	8.7	10.1	10.6	10.3	9.2	7.3	5.0	2.5	.6	-.2	.4
Tu	2.3	4.7	7.0	8.7	9.7	10.0	9.5	8.2	6.4	4.7	3.6	3.7
24	4.7	6.4	8.1	9.3	9.7	9.5	8.6	6.9	4.7	2.5	.9	.4
W	1.3	3.1	5.4	7.5	9.1	10.1	10.3	9.7	8.2	6.2	4.4	3.3
25	3.2	4.1	5.6	7.1	8.2	8.9	9.0	8.3	6.8	4.8	2.8	1.4
Th	1.1	2.0	3.7	5.9	7.9	9.6	10.6	10.8	10.0	8.3	6.1	4.0
26	2.7	2.4	3.1	4.4	5.9	7.3	8.3	8.7	8.3	7.0	5.2	3.3
F	2.0	1.7	2.5	4.1	6.3	8.4	10.2	11.3	11.4	10.3	8.3	5.8
27	3.5	1.8	1.2	1.7	3.0	4.8	6.6	8.1	8.8	8.6	7.5	5.7
Sa	3.9	2.6	2.1	2.8	4.4	6.6	9.0	11.0	12.1	12.0	10.7	8.4
28	5.5	2.8	.7	-.2	.2	1.8	4.0	6.3	8.2	9.1	9.1	8.0
Su	6.3	4.4	2.8	2.2	2.8	4.6	7.1	9.8	11.8	12.8	12.5	10.9
29	8.3	5.0	1.8	-.6	-1.6	-1.0	1.0	3.7	6.4	8.5	9.6	9.6
M	8.6	6.7	4.6	2.8	2.1	2.8	4.9	7.7	10.5	12.6	13.4	12.9
30	11.0	8.0	4.3	.7	-1.8	-2.7	-1.7	.7	3.8	6.8	9.0	10.2
Tu	10.2	9.0	6.9	4.4	2.5	1.9	2.9	5.3	8.4	11.2	13.1	13.8

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

VALDEZ, ALASKA, 1981

Lat. 61° 08'N Long. 146° 21'W

JULY

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	13.0	10.8	7.4	3.4	-.3	-2.8	-3.3	-1.9	.9	4.3	7.3	9.6
W	10.7	10.5	9.1	6.7	4.1	2.2	1.8	3.2	5.8	9.0	11.7	13.5
2	13.9	12.8	10.3	6.6	2.4	-1.2	-3.3	-3.4	-1.5	1.6	5.0	8.0
Th	10.2	11.1	10.6	8.9	6.3	3.6	2.0	1.9	3.6	6.4	9.4	12.0
3	13.5	13.6	12.3	9.5	5.7	1.6	-1.7	-3.3	-2.8	-.6	2.6	5.9
F	8.7	10.6	11.2	10.4	8.4	5.8	3.3	2.0	2.2	4.1	6.9	9.7
4	12.0	13.1	12.9	11.3	8.5	4.7	1.0	-1.8	-2.8	-1.9	.5	3.7
Sa	6.9	9.3	10.8	11.0	10.0	7.9	5.3	3.2	2.1	2.7	4.6	7.2
5	9.8	11.6	12.4	11.9	10.2	7.4	4.0	.7	-1.4	-1.9	-.6	1.9
Su	4.9	7.7	9.7	10.8	10.7	9.5	7.4	5.1	3.2	2.5	3.2	5.0
6	7.4	9.5	10.9	11.3	10.7	9.0	6.5	3.5	.8	-.7	-.7	.8
M	3.3	5.9	8.3	9.9	10.6	10.4	9.1	7.1	4.9	3.3	2.8	3.6
7	5.3	7.2	8.9	9.9	10.2	9.6	8.0	5.8	3.3	1.2	.2	.6
Tu	2.2	4.5	6.7	8.6	9.9	10.4	10.0	8.7	6.8	4.8	3.4	3.1
8	3.8	5.2	6.8	8.1	8.9	9.1	8.6	7.3	5.5	3.4	1.9	1.3
W	2.0	3.5	5.4	7.3	8.9	10.0	10.3	9.8	8.5	6.6	4.7	3.5
9	3.2	3.8	4.8	6.1	7.2	8.0	8.3	8.0	7.0	5.4	3.8	2.7
Th	2.4	3.1	4.4	6.1	7.7	9.2	10.1	10.3	9.7	8.2	6.3	4.6
10	3.4	3.0	3.4	4.2	5.3	6.4	7.4	7.9	7.7	6.9	5.6	4.3
F	3.4	3.3	3.9	5.1	6.5	8.1	9.5	10.4	10.4	9.5	8.0	6.1
11	4.3	3.0	2.5	2.7	3.5	4.7	6.1	7.2	7.9	7.8	7.0	5.9
Sa	4.8	4.0	3.9	4.4	5.5	7.0	8.6	10.0	10.7	10.5	9.4	7.7
12	5.6	3.7	2.3	1.7	1.9	2.9	4.4	6.1	7.4	8.1	8.0	7.3
Su	6.2	5.1	4.3	4.1	4.6	5.8	7.5	9.3	10.6	11.1	10.6	9.2
13	7.2	5.0	2.9	1.4	.8	1.3	2.7	4.6	6.5	7.8	8.5	8.4
M	7.6	6.4	5.1	4.2	4.0	4.8	6.3	8.2	10.0	11.2	11.4	10.6
14	8.9	6.6	4.0	1.8	.3	.1	1.1	3.0	5.2	7.1	8.5	9.0
Tu	8.7	7.7	6.2	4.8	3.8	3.9	5.1	7.0	9.1	10.8	11.7	11.6
15	10.4	8.4	5.6	2.8	.5	-.6	-.3	1.3	3.6	6.0	8.0	9.2
W	9.5	8.8	7.5	5.7	4.2	3.5	4.0	5.6	7.8	10.0	11.6	12.2
16	11.7	10.0	7.5	4.4	1.4	-.6	-1.2	-.2	1.9	4.5	7.0	8.9
Th	9.8	9.7	8.7	6.9	5.0	3.5	3.2	4.3	6.3	8.8	10.9	12.2
17	12.4	11.4	9.3	6.3	3.0	.1	-1.4	-1.3	.3	2.9	5.7	8.1
F	9.7	10.3	9.7	8.2	6.1	4.2	3.0	3.3	4.8	7.2	9.7	11.7
18	12.6	12.3	10.8	8.2	4.9	1.6	-.9	-1.8	-1.0	1.2	4.1	7.0
Sa	9.1	10.3	10.4	9.4	7.5	5.3	3.4	2.7	3.5	5.5	8.1	10.5
19	12.1	12.6	11.9	9.9	6.9	3.5	.5	-1.4	-1.6	-.2	2.5	5.5
Su	8.2	10.0	10.7	10.3	8.9	6.7	4.5	2.9	2.6	3.8	6.1	8.7
20	10.9	12.2	12.2	11.0	8.7	5.7	2.5	-.2	-1.5	-1.0	1.0	3.9
M	6.8	9.2	10.6	10.8	10.0	8.3	6.0	3.8	2.6	2.7	4.2	6.6
21	9.1	11.0	11.8	11.4	10.0	7.6	4.7	1.8	-.4	-1.0	.0	2.3
Tu	5.3	8.0	10.0	10.9	10.8	9.6	7.7	5.4	3.4	2.3	2.7	4.4
22	6.7	9.0	10.5	11.0	10.5	9.0	6.8	4.1	1.6	.0	-.2	1.2
W	3.7	6.5	8.9	10.4	11.0	10.6	9.4	7.3	5.0	3.0	2.2	2.7
23	4.3	6.4	8.3	9.6	10.0	9.5	8.3	6.3	4.0	1.9	.7	.9
Th	2.5	4.9	7.4	9.4	10.7	11.1	10.6	9.2	7.1	4.7	2.8	2.0
24	2.4	3.8	5.7	7.3	8.4	9.0	8.8	7.9	6.2	4.2	2.5	1.6
F	2.0	3.5	5.7	7.9	9.7	10.9	11.3	10.8	9.3	7.0	4.6	2.6
25	1.7	1.9	3.0	4.5	6.1	7.4	8.3	8.4	7.8	6.5	4.8	3.3
Sa	2.6	2.9	4.2	6.0	8.1	9.8	11.1	11.6	11.0	9.5	7.1	4.6
26	2.4	1.2	1.0	1.8	3.3	5.0	6.7	7.9	8.5	8.1	7.0	5.5
Su	4.1	3.2	3.3	4.3	6.0	8.1	10.0	11.5	12.0	11.4	9.8	7.3
27	4.5	2.0	.4	-.1	.6	2.2	4.3	6.4	8.0	8.8	8.7	7.7
M	6.2	4.6	3.5	3.3	4.1	5.9	8.1	10.3	11.9	12.5	11.8	10.0
28	7.4	4.3	1.4	-.6	-1.2	-.4	1.6	4.1	6.5	8.4	9.4	9.3
Tu	8.3	6.6	4.7	3.3	2.9	3.8	5.8	8.3	10.7	12.4	12.9	12.2
29	10.2	7.2	3.8	.6	-1.6	-2.1	-.9	1.5	4.4	7.1	9.1	10.1
W	10.0	8.7	6.6	4.4	2.7	2.4	3.5	5.9	8.7	11.2	12.9	13.3
30	12.4	10.1	6.8	2.9	-.4	-2.4	-2.5	-.9	2.0	5.1	7.9	9.9
Th	10.8	10.3	8.7	6.2	3.7	2.1	2.0	3.5	6.2	9.2	11.7	13.2
31	13.4	12.2	9.6	5.9	2.0	-1.2	-2.8	-2.4	-.2	2.9	6.2	8.9
F	10.7	11.2	10.4	8.3	5.5	3.0	1.6	1.9	3.8	6.7	9.6	12.0

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 08'N Long. 146° 21'W

AUGUST

Predicted hourly heights in feet

Oay	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	13.3	13.2	11.6	8.7	4.8	1.0	-1.8	-2.7	-1.6	.9	4.2	7.4
Sa	9.9	11.3	11.4	10.0	7.6	4.7	2.4	1.4	2.1	4.3	7.3	10.1
2	12.1	13.0	12.5	10.6	7.5	3.8	.3	-1.8	-2.0	-.4	2.4	5.7
Su	8.6	10.7	11.5	11.1	9.4	6.7	4.0	2.0	1.5	2.6	5.0	7.8
3	10.3	11.9	12.4	11.5	9.4	6.3	2.9	.1	-1.3	-.9	1.1	4.1
M	7.1	9.6	11.1	11.4	10.5	8.5	6.0	3.5	1.9	1.9	3.3	5.6
4	8.2	10.2	11.3	11.4	10.2	8.1	5.3	2.4	.3	-.3	.6	2.9
Tu	5.7	8.3	10.2	11.1	11.0	9.8	7.8	5.3	3.2	2.1	2.4	3.9
5	6.1	8.2	9.7	10.4	10.2	9.0	7.0	4.6	2.4	1.0	1.0	2.3
W	4.5	7.0	9.0	10.4	10.9	10.4	9.1	7.1	4.9	3.2	2.5	3.0
6	4.4	6.2	7.9	9.0	9.4	9.1	8.0	6.4	4.4	2.8	2.0	2.4
Th	3.9	5.9	7.8	9.4	10.3	10.5	9.9	8.6	6.7	4.7	3.3	2.8
7	3.4	4.6	6.0	7.2	8.1	8.4	8.2	7.4	6.1	4.6	3.5	3.1
F	3.8	5.1	6.7	8.3	9.4	10.1	10.2	9.5	8.2	6.4	4.7	3.5
8	3.1	3.5	4.4	5.4	6.5	7.3	7.8	7.8	7.2	6.2	5.1	4.3
Sa	4.2	4.7	5.8	7.1	8.4	9.4	10.0	10.1	9.4	8.0	6.3	4.7
9	3.5	3.0	3.2	3.8	4.7	5.8	6.8	7.6	7.8	7.3	6.5	5.6
Su	5.0	4.8	5.2	6.1	7.2	8.4	9.5	10.2	10.2	9.4	8.0	6.2
10	4.5	3.2	2.5	2.5	3.1	4.2	5.5	6.8	7.7	8.0	7.7	7.0
M	6.1	5.3	5.0	5.2	6.0	7.2	8.6	9.8	10.5	10.4	9.5	8.0
11	6.0	4.1	2.6	1.7	1.7	2.5	3.9	5.7	7.2	8.2	8.5	8.2
Tu	7.3	6.2	5.3	4.7	4.9	5.9	7.3	9.0	10.4	11.0	10.8	9.7
12	7.8	5.6	3.3	1.6	.7	1.0	2.3	4.2	6.2	7.9	8.9	9.1
W	8.5	7.3	5.9	4.7	4.1	4.6	5.9	7.8	9.7	11.1	11.6	11.2
13	9.7	7.4	4.7	2.1	.4	-.2	.6	2.5	4.9	7.2	8.9	9.7
Th	9.6	8.6	7.0	5.2	3.8	3.5	4.4	6.2	8.5	10.6	11.9	12.2
14	11.3	9.3	6.5	3.4	.8	-.7	-.7	.8	3.3	6.0	8.4	9.9
F	10.4	9.9	8.3	6.2	4.1	2.9	3.0	4.5	6.9	9.4	11.5	12.6
15	12.5	11.1	8.6	5.3	2.0	-.5	-1.5	-.7	1.6	4.5	7.4	9.6
Sa	10.9	10.9	9.7	7.6	5.1	3.0	2.1	2.8	4.9	7.7	10.4	12.3
16	13.1	12.5	10.5	7.5	3.9	.7	-1.4	-1.6	.0	2.8	6.0	8.9
Su	10.8	11.5	11.0	9.1	6.5	3.9	2.0	1.7	3.0	5.5	8.5	11.2
17	12.8	13.1	12.0	9.5	6.2	2.6	-.3	-1.6	-1.1	1.2	4.4	7.7
M	10.3	11.7	11.8	10.6	8.3	5.4	2.8	1.3	1.5	3.3	6.2	9.2
18	11.6	12.8	12.6	11.1	8.4	5.0	1.7	-.7	-1.3	.0	2.8	6.1
Tu	9.2	11.3	12.2	11.7	10.0	7.3	4.4	2.0	.9	1.6	3.7	6.7
19	9.5	11.5	12.3	11.7	10.0	7.3	4.1	1.3	-.4	-.3	1.5	4.5
W	7.7	10.4	11.9	12.2	11.3	9.3	6.5	3.7	1.5	.8	1.8	4.1
20	6.9	9.4	10.9	11.4	10.6	8.9	6.5	3.7	1.4	.4	1.0	3.1
Th	6.0	8.9	11.0	12.1	12.0	10.8	8.7	6.0	3.3	1.4	1.0	2.0
21	4.2	6.6	8.7	9.9	10.2	9.6	8.2	6.1	3.8	2.1	1.5	2.4
F	4.5	7.1	9.5	11.1	11.9	11.6	10.4	8.4	5.8	3.3	1.5	1.2
22	2.1	3.9	5.9	7.6	8.7	9.1	8.9	7.8	6.2	4.4	3.0	2.7
Sa	3.6	5.4	7.6	9.5	10.9	11.5	11.4	10.3	8.4	5.9	3.5	1.8
23	1.3	1.9	3.3	4.9	6.4	7.7	8.4	8.6	7.9	6.6	5.1	4.0
Su	3.7	4.4	5.8	7.5	9.2	10.5	11.3	11.3	10.4	8.6	6.2	3.8
24	2.0	1.2	1.4	2.3	3.8	5.4	7.0	8.2	8.7	8.4	7.3	5.9
M	4.8	4.2	4.5	5.5	7.0	8.7	10.3	11.3	11.6	10.8	9.0	6.6
25	4.1	2.0	.7	.5	1.3	2.9	4.9	6.9	8.4	9.2	9.0	8.0
Tu	6.6	5.1	4.2	4.1	4.9	6.4	8.4	10.2	11.6	12.0	11.3	9.5
26	6.9	4.1	1.6	.0	-.4	.6	2.5	4.9	7.3	9.0	9.9	9.7
W	8.5	6.8	4.9	3.6	3.3	4.1	6.0	8.3	10.5	12.0	12.4	11.7
27	9.7	6.8	3.6	.8	-.9	-1.0	.4	2.8	5.6	8.1	9.9	10.7
Th	10.2	8.7	6.5	4.2	2.6	2.4	3.7	6.0	8.6	11.0	12.5	12.8
28	11.8	9.6	6.3	2.8	-.1	-1.5	-1.2	.8	3.6	6.7	9.2	10.9
F	11.3	10.4	8.4	5.7	3.2	1.7	1.9	3.6	6.3	9.2	11.6	12.9
29	13.0	11.6	8.9	5.4	1.8	-.9	-1.7	-.7	1.8	5.0	8.1	10.4
Sa	11.7	11.6	10.1	7.6	4.6	2.1	1.1	1.8	4.0	7.0	9.9	12.0
30	13.1	12.7	10.9	7.8	4.2	.8	-1.2	-1.3	.4	3.3	6.6	9.5
Su	11.4	12.1	11.4	9.4	6.4	3.4	1.3	.8	2.1	4.7	7.8	10.5
31	12.3	12.9	12.0	9.8	6.6	3.1	.3	-.9	-.3	2.0	5.1	8.3
M	10.7	12.1	12.1	10.7	8.2	5.2	2.5	.9	1.1	2.9	5.7	8.6

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

VALDEZ, ALASKA, 1981

Lat. 61° 08'N Long. 146° 21'W

SEPTEMBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	10.9	12.2	12.2	10.9	8.5	5.3	2.3	.3	-.1	1.3	3.9	6.9
Tu	9.7	11.5	12.2	11.5	9.7	7.0	4.1	1.9	1.0	1.7	3.8	6.6
2	9.1	10.9	11.7	11.2	9.6	7.2	4.4	2.1	.9	1.2	3.1	5.7
W	8.5	10.6	11.8	11.7	10.6	8.5	5.9	3.4	1.8	1.5	2.6	4.8
3	7.2	9.3	10.5	10.8	10.0	8.4	6.3	4.0	2.4	1.9	2.8	4.9
Th	7.3	9.6	11.0	11.5	11.0	9.6	7.5	5.2	3.1	2.0	2.1	3.5
4	5.5	7.5	9.0	9.8	9.7	8.9	7.5	5.8	4.1	3.1	3.2	4.4
F	6.4	8.4	10.0	10.9	10.9	10.2	8.8	6.9	4.8	3.2	2.5	2.9
5	4.1	5.8	7.3	8.4	8.9	8.8	8.2	7.1	5.7	4.6	4.1	4.5
Sa	5.7	7.4	8.9	9.9	10.4	10.3	9.5	8.2	6.5	4.8	3.5	3.0
6	3.4	4.4	5.7	6.8	7.6	8.1	8.2	7.8	7.0	6.0	5.2	5.0
Su	5.5	6.5	7.7	8.8	9.6	9.9	9.9	9.3	8.1	6.5	4.9	3.8
7	3.3	3.5	4.2	5.1	6.1	6.9	7.7	8.0	7.9	7.3	6.5	5.9
M	5.7	6.0	6.7	7.6	8.5	9.2	9.7	9.8	9.3	8.2	6.7	5.1
8	3.9	3.2	3.2	3.6	4.4	5.5	6.7	7.7	8.3	8.3	7.8	7.0
Tu	6.3	5.9	5.9	6.3	7.1	8.1	9.1	9.9	10.2	9.7	8.5	6.8
9	5.1	3.6	2.7	2.4	2.8	3.9	5.4	7.0	8.2	8.9	8.9	8.2
W	7.2	6.2	5.5	5.3	5.7	6.7	8.1	9.5	10.5	10.7	10.1	8.7
10	6.8	4.7	2.8	1.7	1.5	2.2	3.8	5.8	7.7	9.1	9.7	9.4
Th	8.4	7.0	5.6	4.5	4.3	5.0	6.6	8.4	10.2	11.3	11.4	10.6
11	8.8	6.3	3.8	1.7	.6	.7	2.1	4.3	6.8	8.9	10.2	10.5
F	9.8	8.3	6.3	4.4	3.3	3.4	4.7	6.8	9.2	11.1	12.2	12.0
12	10.7	8.4	5.5	2.6	.4	-.4	.5	2.6	5.4	8.2	10.3	11.3
Sa	11.1	9.8	7.6	5.0	3.0	2.1	2.7	4.7	7.4	10.1	12.1	12.9
13	12.4	10.6	7.7	4.3	1.2	-.6	-.7	.9	3.8	7.0	9.8	11.6
Su	12.2	11.3	9.3	6.4	3.5	1.5	1.1	2.4	5.1	8.3	11.1	12.9
14	13.3	12.3	9.9	6.6	3.0	.1	-1.1	-.4	2.0	5.4	8.8	11.4
M	12.7	12.6	11.1	8.3	5.0	2.0	.3	.6	2.6	5.7	9.1	11.8
15	13.3	13.3	11.8	9.0	5.4	1.9	-.4	-.9	.6	3.6	7.2	10.5
Tu	12.6	13.4	12.6	10.3	7.1	3.6	.8	-.4	.5	3.0	6.4	9.7
16	12.1	13.2	12.8	10.9	7.9	4.4	1.4	-.3	.0	2.1	5.4	9.0
W	11.8	13.4	13.5	12.0	9.3	5.9	2.4	.1	-.6	.7	3.5	6.9
17	10.0	12.0	12.6	11.9	9.9	7.0	3.9	1.4	.4	1.3	3.8	7.1
Th	10.3	12.6	13.5	13.0	11.2	8.3	5.0	1.8	-.2	-.4	1.2	4.0
18	7.2	9.7	11.3	11.6	10.8	8.9	6.4	3.8	2.0	1.6	2.8	5.4
F	8.4	11.1	12.7	13.1	12.3	10.4	7.6	4.5	1.7	.1	.2	1.8
19	4.3	7.0	9.0	10.2	10.5	9.8	8.4	6.3	4.3	2.9	2.8	4.2
Sa	6.5	9.1	11.1	12.2	12.4	11.6	9.8	7.4	4.5	2.1	.7	.8
20	2.1	4.2	6.3	8.0	9.1	9.5	9.2	8.2	6.6	5.0	4.0	4.0
Su	5.2	7.0	9.0	10.5	11.4	11.6	11.1	9.7	7.5	5.0	2.7	1.4
21	1.3	2.2	3.7	5.4	7.0	8.2	9.0	9.1	8.5	7.2	5.8	4.9
M	4.7	5.5	6.8	8.3	9.6	10.6	11.1	10.9	9.8	7.9	5.6	3.4
22	1.9	1.4	1.9	3.0	4.5	6.2	7.8	8.9	9.4	9.0	7.9	6.5
Tu	5.4	4.9	5.2	6.0	7.3	8.7	10.1	11.0	11.1	10.2	8.5	6.2
23	3.8	2.1	1.2	1.3	2.3	4.0	6.0	7.9	9.4	10.0	9.7	8.5
W	6.9	5.4	4.4	4.3	5.0	6.4	8.2	9.9	11.1	11.5	10.7	8.9
24	6.5	3.9	1.8	.7	.7	1.9	4.0	6.4	8.6	10.2	10.8	10.2
Th	8.7	6.7	4.8	3.5	3.2	4.1	5.9	8.1	10.2	11.6	11.9	11.1
25	9.1	6.4	3.5	1.2	.1	.4	2.1	4.6	7.4	9.7	11.1	11.4
F	10.5	8.5	6.0	3.7	2.3	2.2	3.6	5.9	8.5	10.7	12.1	12.3
26	11.1	8.8	5.8	2.7	.5	-.3	.7	3.0	5.9	8.7	10.9	12.0
Sa	11.8	10.3	7.7	4.8	2.4	1.2	1.7	3.7	6.4	9.2	11.4	12.5
27	12.3	10.8	8.1	4.8	1.8	.0	-.1	1.6	4.4	7.5	10.2	12.0
Su	12.5	11.6	9.5	6.5	3.4	1.2	.6	1.8	4.3	7.3	10.1	12.0
28	12.6	12.0	10.0	7.0	3.7	1.1	.0	.8	3.1	6.2	9.2	11.5
M	12.7	12.5	10.9	8.2	4.9	2.0	.4	.6	2.4	5.3	8.3	10.8
29	12.3	12.4	11.2	8.8	5.8	2.8	.9	.7	2.2	4.9	8.1	10.7
Tu	12.5	12.9	11.9	9.7	6.7	3.5	1.1	.2	1.1	3.4	6.4	9.3
30	11.3	12.2	11.8	10.1	7.6	4.7	2.4	1.3	1.9	4.0	6.9	9.7
W	11.8	12.8	12.5	10.9	8.3	5.2	2.4	.6	.5	2.0	4.6	7.5

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 08'N Long. 146° 21'W

OCTOBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	9.9	11.4	11.7	10.8	9.0	6.5	4.1	2.5	2.2	3.5	5.8	8.6
Th	10.9	12.3	12.5	11.5	9.5	6.9	4.0	1.8	.8	1.3	3.2	5.7
2	8.3	10.1	11.0	10.8	9.7	7.9	5.8	4.0	3.1	3.5	5.1	7.5
F	9.8	11.5	12.1	11.7	10.4	8.3	5.8	3.4	1.8	1.4	2.3	4.3
3	6.6	8.6	9.8	10.2	9.8	8.7	7.2	5.6	4.4	4.1	4.9	6.6
Sa	8.7	10.4	11.4	11.5	10.7	9.3	7.3	5.1	3.2	2.1	2.1	3.3
4	5.1	6.9	8.4	9.2	9.4	9.0	8.1	6.9	5.8	5.0	5.1	6.1
Su	7.6	9.3	10.4	10.9	10.7	9.9	8.5	6.8	5.0	3.4	2.6	2.9
5	3.9	5.4	6.8	7.9	8.5	8.7	8.5	7.9	7.1	6.2	5.7	5.9
M	6.8	8.1	9.2	9.9	10.2	10.0	9.3	8.2	6.7	5.1	3.8	3.1
6	3.3	4.1	5.2	6.3	7.2	8.0	8.4	8.5	8.1	7.4	6.6	6.2
Tu	6.4	7.0	7.9	8.7	9.3	9.6	9.6	9.2	8.3	6.9	5.3	4.0
7	3.3	3.3	3.8	4.7	5.8	6.9	7.9	8.7	8.9	8.6	7.8	6.9
W	6.4	6.2	6.6	7.2	7.9	8.7	9.4	9.8	9.6	8.7	7.2	5.5
8	4.1	3.1	2.8	3.2	4.2	5.5	7.0	8.4	9.4	9.6	9.0	8.0
Th	6.9	5.9	5.5	5.6	6.3	7.3	8.6	9.7	10.4	10.2	9.1	7.4
9	5.5	3.7	2.4	2.0	2.5	3.9	5.8	7.8	9.4	10.3	10.3	9.4
F	7.9	6.3	4.9	4.2	4.4	5.5	7.1	9.0	10.4	11.1	10.8	9.5
10	7.4	5.1	2.9	1.5	1.2	2.2	4.2	6.7	9.0	10.7	11.4	10.9
Sa	9.4	7.3	5.1	3.4	2.7	3.3	5.0	7.3	9.7	11.3	12.0	11.4
11	9.7	7.1	4.3	1.9	.6	.8	2.4	5.1	8.1	10.6	12.1	12.3
Su	11.2	9.0	6.2	3.5	1.6	1.3	2.5	5.0	7.9	10.5	12.2	12.7
12	11.7	9.5	6.5	3.3	.9	.0	.9	3.4	6.6	9.8	12.2	13.3
M	12.9	11.0	8.1	4.7	1.7	.0	.2	2.2	5.3	8.7	11.4	12.9
13	13.0	11.6	9.0	5.6	2.4	.3	.0	1.7	4.8	8.4	11.5	13.5
Tu	14.0	12.9	10.4	6.8	3.0	.0	-1.2	-.3	2.4	5.9	9.4	12.0
14	13.3	13.0	11.2	8.2	4.7	1.7	.2	.6	3.0	6.5	10.1	13.0
W	14.4	14.3	12.5	9.3	5.3	1.5	-1.1	-1.8	-.3	2.8	6.6	10.0
15	12.3	13.2	12.5	10.4	7.4	4.1	1.6	.7	1.8	4.6	8.2	11.5
Th	13.9	14.7	13.9	11.6	8.1	4.1	.5	-1.6	-1.7	.2	3.5	7.1
16	10.2	12.1	12.6	11.7	9.6	6.7	3.9	1.9	1.6	3.2	6.1	9.5
F	12.4	14.1	14.4	13.1	10.6	7.1	3.3	.2	-1.5	-1.2	.9	4.1
17	7.3	9.9	11.4	11.7	10.8	8.9	6.5	4.1	2.7	2.8	4.5	7.3
Sa	10.2	12.5	13.6	13.5	12.1	9.7	6.5	3.1	.4	-.8	-.3	1.7
18	4.5	7.2	9.3	10.5	10.8	10.1	8.6	6.6	4.7	3.6	4.0	5.6
Su	7.9	10.2	11.9	12.7	12.4	11.2	9.1	6.3	3.4	1.1	.1	.6
19	2.3	4.5	6.7	8.5	9.6	10.1	9.7	8.6	7.0	5.4	4.5	4.8
M	6.1	7.9	9.6	10.9	11.5	11.4	10.6	8.9	6.6	4.0	2.0	1.0
20	1.3	2.5	4.3	6.1	7.7	9.0	9.8	9.8	9.0	7.6	6.1	5.2
Tu	5.2	6.0	7.2	8.5	9.6	10.4	10.8	10.4	9.1	7.1	4.8	2.8
21	1.7	1.7	2.5	3.9	5.6	7.3	8.9	10.0	10.2	9.5	8.1	6.6
W	5.4	5.0	5.3	6.1	7.3	8.6	9.8	10.5	10.5	9.4	7.6	5.4
22	3.4	2.1	1.7	2.2	3.6	5.4	7.5	9.3	10.5	10.8	10.0	8.4
Th	6.6	5.1	4.2	4.2	4.9	6.3	8.0	9.6	10.6	10.7	9.8	8.0
23	5.7	3.5	2.0	1.5	2.0	3.6	5.8	8.2	10.2	11.3	11.3	10.2
F	8.3	6.1	4.2	3.0	3.0	4.0	5.8	8.0	9.8	11.0	11.1	10.0
24	8.1	5.6	3.3	1.7	1.3	2.2	4.2	6.8	9.3	11.2	12.0	11.6
Sa	10.1	7.7	5.1	2.9	1.8	2.1	3.6	5.9	8.4	10.4	11.4	11.3
25	10.0	7.8	5.1	2.7	1.3	1.4	2.9	5.4	8.2	10.7	12.2	12.5
Su	11.5	9.4	6.6	3.7	1.5	.8	1.7	3.9	6.6	9.1	11.0	11.7
26	11.3	9.6	7.1	4.3	2.1	1.2	2.0	4.1	7.0	9.8	11.9	12.9
M	12.6	10.9	8.2	5.0	2.1	.4	.4	2.0	4.6	7.5	10.0	11.5
27	11.8	10.9	8.9	6.2	3.5	1.8	1.7	3.2	5.8	8.8	11.3	12.8
Tu	13.1	12.1	9.8	6.6	3.3	.8	-.2	.6	2.8	5.8	8.6	10.7
28	11.8	11.6	10.2	7.9	5.2	3.0	2.0	2.7	4.7	7.6	10.4	12.4
W	13.2	12.8	11.1	8.3	4.9	1.9	.0	-.2	1.3	4.0	7.0	9.5
29	11.2	11.7	11.0	9.3	6.9	4.5	2.9	2.7	4.0	6.5	9.3	11.6
Th	13.0	13.1	11.9	9.7	6.6	3.4	.9	-.2	.4	2.5	5.3	8.1
30	10.2	11.3	11.3	10.2	8.3	6.1	4.2	3.3	3.8	5.6	8.1	10.6
F	12.3	13.0	12.4	10.7	8.2	5.2	2.4	.6	.2	1.4	3.7	6.4
31	8.8	10.4	11.0	10.5	9.3	7.5	5.6	4.3	4.0	5.0	7.0	9.4
Sa	11.4	12.4	12.4	11.3	9.4	6.8	4.1	1.9	.7	1.0	2.5	4.9

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

VALDEZ, ALASKA, 1981

Lat. 61° 08'N Long. 146° 21'W

NOVEMBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	7.3	9.1	10.2	10.3	9.7	8.5	6.9	5.5	4.7	5.0	6.3	8.2
Su	10.2	11.6	12.0	11.5	10.2	8.2	5.9	3.6	1.9	1.2	1.9	3.6
2	5.7	7.7	9.0	9.7	9.7	9.1	8.0	6.8	5.7	5.3	5.9	7.2
M	8.9	10.4	11.2	11.2	10.5	9.2	7.4	5.4	3.4	2.1	1.9	2.7
3	4.3	6.1	7.6	8.7	9.2	9.2	8.7	7.9	6.9	6.1	5.9	6.5
Tu	7.7	9.0	10.1	10.5	10.4	9.7	8.6	7.0	5.2	3.6	2.5	2.4
4	3.3	4.6	6.1	7.4	8.3	8.9	9.1	8.8	8.1	7.1	6.3	6.2
W	6.7	7.6	8.6	9.4	9.7	9.7	9.3	8.4	7.0	5.3	3.8	2.8
5	2.7	3.4	4.6	5.9	7.2	8.3	9.1	9.4	9.2	8.4	7.3	6.4
Th	6.0	6.2	6.9	7.7	8.5	9.1	9.5	9.4	8.6	7.3	5.6	4.0
6	2.9	2.7	3.2	4.3	5.7	7.3	8.7	9.8	10.1	9.7	8.6	7.2
F	6.0	5.3	5.2	5.8	6.7	7.8	8.9	9.7	9.8	9.1	7.6	5.8
7	4.0	2.8	2.4	2.9	4.1	5.9	7.9	9.7	10.8	11.0	10.2	8.6
Sa	6.7	5.0	4.0	3.8	4.4	5.8	7.5	9.2	10.3	10.4	9.6	8.0
8	5.8	3.8	2.3	1.9	2.5	4.3	6.6	9.0	11.0	12.0	11.8	10.4
Su	8.3	5.8	3.6	2.3	2.1	3.2	5.3	7.6	9.7	11.0	11.1	10.1
9	8.2	5.7	3.3	1.7	1.4	2.6	4.9	7.8	10.5	12.4	13.1	12.3
M	10.3	7.5	4.4	1.8	.4	.6	2.4	5.2	8.1	10.5	11.7	11.7
10	10.4	8.1	5.3	2.7	1.2	1.3	3.1	6.0	9.3	12.1	13.7	13.9
Tu	12.5	9.9	6.3	2.7	-.1	-1.2	-.4	2.1	5.4	8.7	11.2	12.4
11	12.1	10.5	7.9	4.8	2.2	1.0	1.7	4.1	7.5	10.9	13.5	14.7
W	14.3	12.3	9.0	4.9	1.0	-1.6	-2.3	-.8	2.3	6.0	9.3	11.7
12	12.7	12.2	10.3	7.4	4.2	1.9	1.2	2.4	5.3	8.9	12.2	14.5
Th	15.2	14.2	11.6	7.8	3.5	-.3	-2.6	-2.6	-.6	2.8	6.6	9.8
13	12.0	12.7	11.9	9.8	6.8	3.9	1.9	1.8	3.5	6.6	10.1	13.1
F	14.9	15.1	13.6	10.7	6.7	2.4	-1.0	-2.8	-2.4	.0	3.5	7.1
14	10.1	11.9	12.3	11.3	9.2	6.4	3.8	2.3	2.6	4.6	7.7	10.9
Sa	13.4	14.6	14.4	12.7	9.7	5.8	1.9	-1.2	-2.4	-1.7	.8	4.2
15	7.4	10.0	11.5	11.7	10.7	8.7	6.3	4.1	3.0	3.5	5.5	8.3
Su	11.1	13.1	13.9	13.4	11.6	8.8	5.3	1.8	-.7	-1.6	-.6	1.7
16	4.7	7.5	9.7	10.9	11.1	10.2	8.5	6.4	4.6	3.7	4.3	6.1
M	8.5	10.7	12.2	12.7	12.2	10.6	8.2	5.1	2.2	.1	-.5	.4
17	2.5	5.0	7.4	9.2	10.3	10.6	10.0	8.6	6.7	5.1	4.4	4.8
Tu	6.3	8.1	9.8	10.9	11.4	11.1	9.9	7.9	5.4	2.8	1.1	.6
18	1.4	3.1	5.1	7.1	8.8	10.0	10.5	10.1	8.9	7.1	5.6	4.8
W	4.9	5.9	7.2	8.5	9.6	10.2	10.3	9.6	8.0	5.8	3.5	2.0
19	1.5	2.0	3.4	5.1	7.0	8.7	10.1	10.7	10.4	9.2	7.4	5.8
Th	4.8	4.6	5.1	6.1	7.3	8.5	9.5	9.9	9.5	8.1	6.2	4.2
20	2.7	2.1	2.4	3.5	5.2	7.2	9.1	10.6	11.2	10.7	9.4	7.5
F	5.6	4.3	3.8	4.0	4.9	6.3	7.9	9.2	9.9	9.6	8.4	6.5
21	4.6	3.1	2.4	2.6	3.8	5.6	7.8	9.8	11.2	11.7	10.9	9.3
Sa	7.1	5.0	3.4	2.7	2.9	4.1	5.9	7.8	9.3	10.0	9.8	8.5
22	6.7	4.7	3.2	2.5	2.8	4.3	6.4	8.8	10.8	11.9	12.0	10.9
Su	8.8	6.3	3.9	2.2	1.6	2.2	3.9	6.0	8.2	9.7	10.3	9.9
23	8.5	6.6	4.5	3.0	2.5	3.3	5.2	7.6	10.0	11.8	12.5	12.0
M	10.4	7.9	5.1	2.5	.9	.8	2.0	4.2	6.7	8.8	10.2	10.6
24	9.9	8.3	6.2	4.1	2.8	2.8	4.1	6.4	9.0	11.2	12.6	12.7
Tu	11.7	9.5	6.6	3.6	1.1	.0	.5	2.4	5.0	7.6	9.6	10.7
25	10.7	9.7	7.8	5.6	3.7	2.8	3.4	5.3	7.9	10.4	12.3	13.0
W	12.6	10.9	8.2	5.0	2.0	.0	-.4	.8	3.2	6.0	8.5	10.3
26	11.0	10.6	9.2	7.1	4.9	3.4	3.2	4.4	6.7	9.3	11.6	12.9
Th	13.1	12.0	9.7	6.7	3.4	.7	-.6	-.2	1.6	4.4	7.2	9.4
27	10.8	11.0	10.2	8.5	6.3	4.4	3.4	3.9	5.6	8.1	10.6	12.4
F	13.1	12.7	11.0	8.3	5.1	2.0	-.1	-.6	.5	2.8	5.6	8.2
28	10.1	10.9	10.7	9.6	7.7	5.7	4.2	3.8	4.8	6.9	9.4	11.5
Sa	12.8	12.9	11.8	9.7	6.8	3.7	1.1	-.3	-.2	1.5	4.0	6.7
29	9.0	10.4	10.8	10.2	8.8	7.0	5.2	4.3	4.5	5.9	8.1	10.4
Su	12.0	12.7	12.2	10.7	8.3	5.5	2.7	.6	-.1	.6	2.6	5.2
30	7.6	9.4	10.3	10.3	9.5	8.1	6.5	5.1	4.6	5.3	6.9	9.0
M	10.9	12.0	12.1	11.3	9.5	7.1	4.5	2.1	.6	.4	1.6	3.7

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

Lat. 61° 08'N Long. 146° 21'W

DECEMBER

Predicted hourly heights in feet

Day	Hours 0/12	Hours 1/13	Hours 2/14	Hours 3/15	Hours 4/16	Hours 5/17	Hours 6/18	Hours 7/19	Hours 8/20	Hours 9/21	Hours 10/22	Hours 11/23
1	6.1	8.2	9.5	10.1	9.9	9.0	7.7	6.2	5.2	5.1	6.0	7.7
Tu	9.5	11.0	11.6	11.3	10.2	8.4	6.2	3.8	1.9	.8	1.1	2.5
2	4.6	6.7	8.4	9.5	9.8	9.5	8.7	7.4	6.2	5.4	5.4	6.4
W	8.0	9.5	10.6	10.8	10.4	9.3	7.7	5.7	3.6	1.9	1.3	1.8
3	3.3	5.3	7.1	8.5	9.4	9.7	9.5	8.6	7.4	6.1	5.4	5.5
Th	6.5	7.8	9.0	9.8	10.0	9.7	8.8	7.3	5.5	3.6	2.2	1.7
4	2.4	3.8	5.6	7.3	8.7	9.6	10.0	9.7	8.8	7.4	6.0	5.2
F	5.2	5.9	7.0	8.1	8.9	9.3	9.3	8.6	7.3	5.6	3.8	2.5
5	2.1	2.8	4.1	5.9	7.6	9.1	10.1	10.5	10.1	8.9	7.3	5.7
Sa	4.6	4.4	4.9	5.9	7.0	8.1	9.0	9.3	8.8	7.6	5.9	4.1
6	2.8	2.4	2.9	4.3	6.1	8.0	9.8	11.0	11.3	10.7	9.1	7.0
Su	5.0	3.6	3.0	3.4	4.5	6.1	7.7	9.0	9.6	9.3	8.1	6.3
7	4.4	3.0	2.4	2.9	4.4	6.5	8.8	10.9	12.1	12.2	11.1	9.0
M	6.5	4.0	2.1	1.4	1.8	3.3	5.4	7.6	9.3	10.1	9.9	8.6
8	6.7	4.6	3.0	2.3	2.9	4.7	7.2	9.9	12.1	13.2	12.9	11.4
Tu	8.8	5.6	2.6	.4	-.4	.4	2.5	5.2	7.9	9.9	10.8	10.5
9	9.1	6.9	4.6	2.7	2.1	3.0	5.2	8.2	11.1	13.2	14.1	13.4
W	11.4	8.2	4.5	1.1	-1.2	-1.8	-.5	2.1	5.4	8.4	10.5	11.4
10	10.9	9.3	6.9	4.3	2.4	2.0	3.3	6.0	9.3	12.3	14.2	14.7
Th	13.6	11.1	7.4	3.3	-.4	-2.6	-2.7	-.9	2.3	5.9	9.0	11.0
11	11.8	11.2	9.3	6.6	3.9	2.2	2.1	3.8	6.8	10.2	13.1	14.8
F	14.9	13.5	10.5	6.4	2.1	-1.5	-3.3	-3.0	-.7	2.8	6.5	9.5
12	11.5	12.0	11.2	9.1	6.2	3.6	2.1	2.4	4.5	7.7	11.0	13.6
Sa	14.9	14.7	12.9	9.6	5.4	1.2	-2.1	-3.5	-2.6	.0	3.6	7.1
13	10.0	11.7	12.0	10.9	8.6	5.8	3.4	2.3	2.9	5.2	8.3	11.4
Su	13.6	14.5	14.0	12.0	8.6	4.6	.6	-2.1	-3.0	-1.8	1.0	4.4
14	7.7	10.2	11.6	11.7	10.5	8.2	5.6	3.5	2.7	3.5	5.7	8.6
M	11.3	13.1	13.7	13.0	10.9	7.7	4.0	.5	-1.7	-2.1	-.6	2.1
15	5.3	8.2	10.3	11.4	11.3	10.0	7.9	5.5	3.7	3.1	4.0	6.1
Tu	8.6	10.8	12.2	12.5	11.7	9.8	7.0	3.8	.9	-.8	-.9	.6
16	3.2	6.0	8.4	10.2	11.1	10.9	9.8	7.8	5.6	4.0	3.6	4.4
W	6.1	8.2	9.9	10.9	11.2	10.6	9.0	6.6	3.8	1.5	.2	.4
17	1.9	4.1	6.5	8.5	10.1	10.9	10.7	9.7	7.8	5.8	4.3	3.9
Th	4.5	5.8	7.4	8.7	9.6	10.0	9.6	8.4	6.4	4.1	2.2	1.3
18	1.6	2.9	4.8	6.8	8.6	10.1	10.9	10.7	9.7	7.9	5.9	4.5
F	3.9	4.2	5.1	6.3	7.5	8.6	9.1	9.0	8.1	6.5	4.6	3.0
19	2.3	2.6	3.7	5.3	7.1	8.9	10.3	11.0	10.8	9.6	7.8	5.8
Sa	4.3	3.5	3.6	4.2	5.3	6.6	7.9	8.7	8.8	8.1	6.7	5.1
20	3.8	3.1	3.3	4.2	5.7	7.6	9.4	10.7	11.3	10.9	9.5	7.6
Su	5.5	3.8	2.8	2.7	3.3	4.6	6.2	7.7	8.6	8.9	8.2	7.0
21	5.5	4.3	3.6	3.7	4.7	6.3	8.2	10.0	11.3	11.6	10.9	9.2
M	7.1	4.8	2.9	1.9	1.8	2.7	4.3	6.2	7.9	8.9	9.1	8.5
22	7.2	5.7	4.4	3.8	4.0	5.1	7.0	9.1	10.8	11.8	11.7	10.7
Tu	8.7	6.3	3.8	1.8	.9	1.1	2.5	4.6	6.7	8.4	9.3	9.4
23	8.7	7.3	5.7	4.3	3.8	4.3	5.8	7.9	10.1	11.6	12.2	11.7
W	10.2	7.9	5.1	2.5	.6	.1	.9	2.8	5.2	7.4	9.1	9.8
24	9.7	8.7	7.0	5.3	4.0	3.8	4.8	6.7	9.0	11.0	12.2	12.4
Th	11.5	9.5	6.7	3.7	1.1	-.3	-.2	1.2	3.6	6.2	8.3	9.8
25	10.2	9.7	8.4	6.5	4.7	3.8	4.0	5.5	7.8	10.1	11.9	12.7
F	12.4	10.9	8.4	5.4	2.3	.0	-.8	-.1	2.0	4.6	7.2	9.2
26	10.3	10.4	9.5	7.8	5.8	4.2	3.7	4.5	6.4	8.9	11.1	12.5
Sa	12.8	12.0	10.0	7.1	3.9	1.0	-.8	-.9	.6	3.0	5.8	8.3
27	10.0	10.7	10.3	9.0	7.0	5.1	3.9	3.9	5.3	7.5	9.9	11.8
Su	12.8	12.6	11.2	8.8	5.6	2.5	.0	-1.0	-.4	1.6	4.3	7.0
28	9.2	10.5	10.7	9.9	8.2	6.2	4.5	3.8	4.4	6.1	8.5	10.7
M	12.2	12.7	12.0	10.1	7.4	4.2	1.4	-.5	-.8	.4	2.8	5.6
29	8.1	9.9	10.6	10.4	9.3	7.4	5.5	4.2	3.9	5.0	7.0	9.3
Tu	11.2	12.3	12.2	11.0	8.9	6.1	3.1	.6	-.6	-.3	1.5	4.1
30	6.8	9.0	10.3	10.6	10.0	8.6	6.8	5.1	4.0	4.2	5.6	7.7
W	9.8	11.3	11.9	11.4	9.9	7.7	5.0	2.3	.4	-.3	.6	2.7
31	5.3	7.8	9.5	10.4	10.4	9.6	8.1	6.3	4.7	4.0	4.4	6.0
Th	8.0	9.8	10.9	11.1	10.4	8.9	6.7	4.2	2.0	.5	.4	1.7

Time meridian 150° W. 0 is midnight. 12 is noon.
Heights are referred to mean lower low water (N.O.S. chart datum).

TIDE TABLES

Advance information relative to the rise and fall of the tide is given in annual tide tables. These tables include the predicted times and heights of high and low waters for every day in the year for a number of reference stations and differences for obtaining similar predictions for numerous other places.

Tide Tables, Central and Western Pacific Ocean and Indian Ocean.
Tide Tables, East Coast of North and South America (Including Greenland).
Tide Tables, Europe and West Coast of Africa (Including the Mediterranean Sea).
Tide Tables, West Coast of North and South America (Including the Hawaiian Islands).

TIDAL BENCH MARKS

To provide permanent points for the observed heights of the tide and the tidal datum planes determined therefrom, a system of bench marks is established at each tide station. The descriptions and elevations of these bench marks along our coast are compiled, published, and available for distribution. Requests for such bench mark data should specify the coastal locality for which the information is desired.

TIDAL CURRENT TABLES

Accompanying the rise and fall of the tide is a periodic horizontal flow of the water known as the tidal current. Advance information relative to these currents is made available in annual tidal current tables which include daily predictions of the times of slack water and the times and velocities of strength of flood and ebb currents for a number of waterways together with differences for obtaining predictions for numerous other places.

Tidal Current Tables, Atlantic Coast of North America.
Tidal Current Tables, Pacific Coast of North America and Asia.

TIDAL CURRENT CHARTS

Each publication consists of a set of 12 charts which depict, by means of arrows and figures, the direction and speed of the tidal current for each hour of the tidal cycle. The charts, which may be used for any year, present a comprehensive view of the tidal current movement in the respective waterways as a whole and also supply a means for readily determining for any time the direction and speed of the current at various localities throughout the water areas covered. The New York Harbor and Narragansett Bay tidal current charts are to be used with the annual tide tables. The other charts require the annual tidal current tables.

Tidal Current Charts, Boston Harbor. 1st Edition (Reprint 1977).
Tidal Current Charts, Charleston Harbor, S.C. 1st Edition (1967).
Tidal Current Charts, Delaware Bay and River. 2d Edition (Reprint 1978).
Tidal Current Charts, Long Island Sound and Block Island Sound. 7th Edition (1979).
Tidal Current Charts, Narragansett Bay. 1st Edition (1971).
Tidal Current Charts, Narragansett Bay to Nantucket Sound. 3d Edition (1973).
Tidal Current Charts, New York Harbor. 8th Edition (1979).
Tidal Current Charts, Puget Sound, Northern Part. 3d Edition (1973).
Tidal Current Charts, Puget Sound, Southern Part. 3d Edition (1973).
Tidal Current Charts, San Francisco Bay. 6th Edition (Reprint 1973).
Tidal Current Charts, Upper Chesapeake Bay. 2d Edition (1973).
Tidal Current Charts, Tampa Bay. 1st Edition (1979).

TIDAL CURRENT DIAGRAMS

The tidal current diagrams are a series of 12 monthly diagrams to be used with the tidal current charts to give the user a convenient method to determine the current flow on a particular day.

Tidal Current Diagrams for Long Island Sound and Block Island Sound.
Tidal Current Diagrams for Boston Harbor.
Tidal Current Diagrams for New York Harbor.
Tidal Current Diagrams for Upper Chesapeake Bay.

NOTE: The year of issue is given in parentheses.

ASTRONOMICAL DATA, 1981

	January				February				March				April		
	d.	h.	m.		d.	h.	m.		d.	h.	m.		d.	h.	m.
S	5	22	..	S	2	07	..	S	1	16	..	E	4	13	..
●	6	07	24	●	4	22	14	●	6	10	31	●	4	20	19
E	12	13	..	E	8	19	..	E	8	03	..	P	5	19	..
◐	13	10	10	P	8	23	..	P	8	12	..	N	10	16	..
P	15	04	..	◐	11	17	49	◐	13	01	50	◐	11	11	11
N	18	22	..	N	15	05	..	N	14	10	..	E	17	18	..
O	20	07	39	O	18	22	58	O	20	15	22	O	19	07	59
E	25	21	..	E	22	05	..	☉1	20	17	03	A	20	16	..
A	27	20	..	A	24	17	..	E	21	12	..	S	25	08	..
◑	28	04	19	◑	27	01	14	A	24	09	..	◑	27	10	14
								◑	28	19	34				
								S	29	01	..				

	May				June				July				August		
	d.	h.	m.		d.	h.	m.		d.	h.	m.		d.	h.	m.
E	2	00	..	P	1	14	..	●	1	19	03	E	5	01	..
●	4	04	19	●	2	11	32	N	1	22	..	◐	7	19	26
P	4	05	..	N	4	11	..	E	8	16	..	A	8	12	..
N	8	00	..	◐	9	11	33	◐	9	02	39	S	12	12	..
◐	10	22	22	E	11	08	..	A	11	18	..	O	15	16	37
E	15	01	..	A	14	03	..	S	16	04	..	E	19	05	..
A	17	18	..	O	17	15	04	O	17	04	39	P	21	21	..
O	19	00	04	S	18	21	..	E	23	00	..	◑	22	14	16
S	22	14	..	☉2	21	11	45	◑	24	09	40	N	25	14	..
◑	26	21	00	◑	25	04	25	P	27	09	..	●	29	14	43
E	29	10	..	E	25	18	..	N	29	07	..				
				P	29	19	..	●	31	03	52				

	September				October				November				December		
	d.	h.	m.		d.	h.	m.		d.	h.	m.		d.	h.	m.
E	1	09	..	A	3	01	..	S	2	12	..	◐	4	16	22
A	5	07	..	S	6	05	..	◐	5	01	09	E	6	20	..
◐	6	13	26	◐	6	07	45	E	9	10	..	P	11	00	..
S	8	20	..	E	12	22	..	O	11	22	26	O	11	08	41
O	14	03	09	O	13	12	49	P	12	11	..	N	12	21	..
E	15	13	..	P	15	02	..	N	15	10	..	◑	18	05	47
P	17	04	..	N	19	01	..	◑	18	14	54	E	19	12	..
◑	20	19	47	◑	20	03	40	E	22	05	..	☉4	21	22	51
N	21	19	..	E	25	23	..	●	26	14	38	A	23	23	..
☉3	23	03	05	●	27	20	13	A	26	21	..	●	26	10	10
●	28	04	07	A	30	16	..	S	29	19	..	S	27	01	..
E	28	16	..												

LUNAR DATA:
- ● - new Moon
- ◐ - first quarter
- O - full Moon
- ◑ - last quarter
- A - Moon in apogee
- P - Moon in perigee
- N - Moon farthest north of Equator
- E - Moon on Equator
- S - Moon farthest south of Equator

SOLAR DATA:
- ☉1 - March equinox
- ☉2 - June solstice
- ☉3 - September equinox
- ☉4 - December solstice

Greenwich Mean Time (GMT) or Universal Time is the mean solar time on the Greenwich Meridian reckoned in days of 24 mean solar hours written as 00^h at midnight and 12^h at noon. To convert the above times to those of other standard time meridians, add 1 hour for each 15° of east longitude of the desired meridian and subtract 1 hour for each 15° of west longitude.

This table was compiled from data supplied by the American Ephemeris and Nautical Almanac.

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